Author Index

Volume 22, January–December 2002

Abe J-i, 1790
Abumiya T, 907
Acevedo M, 1042
Acharya N, 2099
Adams LD, 2010
Adams MR, 1859
Adeli K, 483
Adlercreutz H, 1852
Afanas'ev IB, 1761
Agata J, 1279
Agrotis A, 940, 2037
Aguilera CM, 1225
Ahlborg G, 674
Ahlbory K, 300
Ahmad M, 759
Ahn C, 348
Ahn JY, 1451, 1459
Aiello RJ, 443, 630
Aigner F, 1465
Aillaud MF, 867
Aizawa T, 1680
Akishita M, 49, 1310
Akkerman J-WN, 179
Ako J, 1305
Aksenov S, 2059
Al-Haideri M, 2080
Alber DG, 793
Aleksic N, 348, 1018
Alessi M-C, 173, 867
Alexander RW, 759, 1950
Alfaro ML, 744
Alfredsson L, 832
Ali MH, 566
Allen RH, 1046
Almasy L, 1008, 1055
Altana C, 692
Amano Katsuya, 1804
Amano Kimiko, 1081
Amato M, 317
Amouyel P, 1155
Andersen CB, 1489
Anderson ST, 874
Andorno E, 412
Andrade-Gordon P, 1421
Andreani M, 89
Anglés-Cano E, 1232
Anstadt MP, 1122
Anthony MS, 1245, 1859
Antonini A, 405
Antropova Y, 2037
Applegate WB, 1692
Arakawa K, 1002
Arendrup H, 1489
Arkenbout EK, 1978
Arning E, 1996
Arnold A, 1175, 2066
Arnold PI, 1740
Arveiler D, 1155
Asano T, 380
Atger V, 638
Athanasiou T, 914
Aubert H, 867
Auge N, 1990
Aukrust P, 699
Ausman LM, 1852
Awano K, 1838
Ayyobi AF, 667
Azen SP, 843
Azumi H, 1838
Azzi A, 412

Babaev VR, 1686
Bader BL, 927
Badimon JJ, 554, 1036, 1065, 1753
Badimon L, 387, 1409, 1905
Baetta R, 692
Bagby SP, 1113
Baghestanian M, 1194
Bagi Z, 28
Bahlo M, 874
Bairaktari E, 306
Balconi G, 617
Baldassarre D, 317
Balduini CL, 894
Bank RA, 1365
Barbier O, 717
Bard J-M, 1155
Barlow CE, 1869
Barrett JH, 506
Barrett PHR, 483, 1884, 1912
Barter P, 1062, 1912
Basso F, 599
Bastelica D, 173
Bastone A, 782
Bauer KA, 879
Baumann M, 268
Bäumer AT, 300
Bayerle-Eder M, 95
Bea F, 1832
Becker BF, 2003
Beer JH, 2093
Behrendt D, 2044
Bella JN, 1008
Bendeck MP, 1972
Bennett B, 1832
Bennett M, 713, 1624, 2030
Berceli SA, 400
Bergeron J, 1181
Bergholm R, 1637
Berglund G, 1704, 2054
Berglund L, 141
Berk BC, 1790
Berman JW, 1617
Bermudez EA, 1668
Bernal-Mizrachi C, 961
Bernatchez PN, 1585
Berndt MC, 153
Bernstein MS, 133
Berthet B, 173
Bessard G, 1239
Best LG, 1698
Bhatia N, 934
Bielak LF, 418
Bierl C, 34
Bild DE, 359
Binder BR, 101, 581
Bittl JA, 1334
Bittner V, 1012
Björkegren J, 1470
Björkhem I, 734, 1129
Blair SN, 1869
Blake GJ, 1512
Blanquart C, 717
Blessing E, 1832
Blumer M, 101
Bobik A, 153, 940, 2037
Bocan TMA, 1200
Bochaton-Piallat M-L, 1093
Bochkov VN, 581
Boden-Albala B, 141
Boechzelt H, 581
Boekholdt SM, 2092
Boer JMA, 2092
Boerwinkle E, 348, 418
Böhm F, 674
Böhm J, 95
Böhm M, 300, 1208, 1567
Boisvert WA, 1341
Bolduc A, 824
Bolz SS, 2003
Bond M, 765
Bond MG, 1470
Bonné ACM, 2072
Bono F, 499
Boord JB, 1686
Boquist S, 1470
Borch-Johnsen K, 1168
Borghi H, 173
Bostom AG, 488, 1051
Botnar RM, 849
Bots ML, 838, 1316
Bottazzi B, 781
Bottiglieri T, 1996
Boudghène F, 1604
Boulton FE, 335
Bourassa P-A, 443, 630
Bourns B, 1293
Boutaud O, 983
Bouter LM, 593
Bowden D, 1012
Boyle JJ, 1624
Bracco E, 405
Brandl M, 161
Brasier AR, 1257
Bray PF, 1984
Brecher P, 1811
Bredie SJH, 274
Brée F, 1604
Brees D, 630
Breteler MMB, 838
Breviario F, 617
Breyer M, 983
Brinkman H-JM, 511
Broeders MAW, 680
Brophy VH, 1329
Brousseau ME, 1148
Brown BG, 1535
Brown JC, 1187
Brown KL, 1996
Brown NJ, 1023
Brull DJ, 1631
Brunzell JD, 667
Bucek RA, 1194
Buchanan TA, 843
Bujo H, 662
Bunting S, 517
Burger M, 2093
Buring J, 1668
Burke AP, 1642, 1936
Burke G, 1175, 1674
Burnett JR, 1884
Burnstock G, 364
Butler R, 193
Byington RP, 1692
Byrne D, 1023
Cabezas MC, 811
Cahill PA, 1610
Calabresi L, 317, 656, 1475
Cambien F, 133
Camenzind E, 1093
Camera M, 692
Cap A, 34
Capogrossi MC, 405
Carmeliet P, 499, 1978
Carr MC, 667
Carson KGS, 788
Casaní L, 1409
Castellani LW, 121, 843
Cauwenberghs N, 323
Celermajer DS, 1136
Cercek B, 644
Chaikof EL, 61
Chait A, 55, 1535
Chambaz J, 638
Chan H-P, 1219
Chan SK, 849
Chandrruangphen P, 1239
Channon KM, 1751
Chao J, 1279
Chao L, 1279
Chapman MJ, 306, 1524
Chaput L, 1692
Charo IF, 554
Chase AJ, 765
Chavakis E, 887
Chen AF, 249
Chen BP-C, 76
Chen Changyi, 1560
Chen Chunguang, 2059
Chen Dongfen, 901
Chen Donghui, 901
Chen H-i, 1219
Chen R, 49
Chen Z, 476
Cheng LS-C, 843
Cherr GS, 161, 1241
Cheung MC, 1535
Chiang F-T, 194
Chien S, 76
Chiesa G, 1475
Chiu D, 462
Choi IS, 1451, 1459
Choi YM, 1451
Choudhury RP, 1065
Christopherson PA, 921
Chu Y, 611
Church TS, 1869
Cipollone F, 1516
Cirino G, 263
Clowes AW, 400, 1293
Cockcroft JR, 147
Cogny A, 638
Cohen RA, 1811
Coleman T, 961
Collen D, 374, 499
Colliec-Jouault S, 1604
Collins D, 1148
Collins P, 1239
Comparato C, 692
Conklin BS, 1560
Cooke JP, 1817
Corada M, 617
Corella D, 805
Corless CL, 1113

Coskran T, 630
Costanza MC, 133
Cottington EM, 1046
Couse TL, 21
Cox LA, 1720
Cracowski J-L, 1239
Craven T, 1692
Crawley J, 499
Crawley JTB, 218
Crockett E, 249
Crook MF, 765
Cui T-X, 238
Cullen JP, 1610
Cupples LA, 805
Curtiss LK, 1341
Cushman M, 1018

Daemen MJAP, 975
D'Agostino RB, 1662
Dahlbäck B, 530
Dalman RL, 2017
Daugherty A, 456
Daum G, 1293
Davidson D, 927
Davies IR, 1187
Davies MG, 400
Davies PF, 1755
Davis DR, 42
Davis M, 587
Davis RA, 121
Dayal S, 1996
de Beer F, 294
de Bruin TWA, 283
de Faire U, 1470
de Gaetano G, 782
de Gasparo M, 49
de Graaf J, 274
de Groot PG, 686
de Kleijn DPV, 1241
de Koning EJP, 799
de Maat MPM, 838
De Meyer GRY, 2023
de Vos A, 1797
de Vries MR, 1433
de Waard V, 1978
deBeer FC, 1213
Deckelbaum RJ, 2080
Deckmyn H, 323
Deeb SS, 667
DeGuzman L, 517
Dejana E, 617
Dekker JM, 593
del Soldato P, 263
Delfin JA, 1036
Demacker PNM, 274
Demissie S, 805
den Bieman MG, 2072
den Dekker E, 179
Deou J, 1293
Dernbach E, 69
Deux J-F, 1604
Devereux RB, 1008, 1698
Di Minno G, 867
Di Santo A, 782
Diaz J, 843
Diczfalusy U, 734, 1129
Didion SP, 42
Dietzen DJ, 2099
Dikalov S, 1402
Dimayuga C, 1128
Dimayuga P, 644
Dimmeler S, 69, 715, 887
Dirnagl U, 1567
Dmitrieff C, 656
Dominguez M, 1232
Donath J, 179
Donati MB, 782
Dreja K, 1267
Drexler H, 1367
Du EZ, 121
Dube A, 1106
Ducimetière P, 1155
Dudley D, 743
Duguay Y, 717
Dunster C, 574
Dunzendorfer S, 894, 1029
Duong-Polk XT, 121
Duquaine D, 1655
Durlach V, 1232
Durrington PN, 1248
Duvillard L, 1726

Earnest CP, 1869
Ebenbichler CF, 1465
Edmundowicz D, 424, 1674
Edwards JY, 1884
Egger P, 894, 1029
Eguchi S, 752
Ehnholm C, 353
Ejiri J, 2049
Eklund KK, 268
Eledrisi MS, 1257
Elisaf M, 306
Emeis JJ, 593
Endres M, 1567
Engelen M, 2092
Engleman EG, 1817
Engström G, 2054
Ensunsa JL, 772
Ergul A, 1122
Erhardtsen E, 1036
Erkelens DW, 811
Eto K, 1360
Evans A, 1155
Evans GF, 744
Ezekowitz MD, 692

Fabsitz RR, 1008, 1698
Fagerberg B, 1162
Fallon JT, 554, 2059
Fang JC, 1334, 2044
Fang X, 560
Faraci FM, 42, 611, 1996
Farb A, 1642
Fass DN, 342
Fay WP, 934
Fayad ZA, 1065
Fazio S, 1686, 1892
Feldman LJ, 1604
Feldt-Rasmussen B, 1168
Feng C, 961
Ferreira V, 218
Ferrières J, 1155
Feskens EJM, 2092
Feve B, 89
Fingerle J, 161
Fink GD, 249
Fink L, 1936
Fischer JW, 231, 400
Fisher EA, 1065, 1617
Fisher L, 161
Florentin E, 1726
Fogelman AM, 1877
Folsom AR, 348, 1018
Fonseca V, 1936
Forudi F, 1598
Fournier N, 638
Franceschini G, 317, 656, 1475
Francis SE, 927
Francone OL, 630
Frederix L, 374
Fredrikson GN, 644
Freedman DS, 1175
Freeman A, 443
Freeman MS, 506
Fritz H, 2086
Fruchart J-C, 717, 1155
Fuchsjäger-Mayrl G, 95
Fuh G, 1797
Fujii S, 855
Fujita H, 1838
Fujiyama S, 1804
Fukai T, 1402
Fukamachi I, 1482
Fuki IV, 989
Furberg CD, 1692
Furihata K, 1733
Furlong CE, 1329
Furumoto T, 855
Fuster V, 1065, 1753
Fyhrquist FY, 268

Gabbiani G, 1093
Gaetano C, 405
Gaillard CA, 799
Gainer JV, 1023
Galligan JJ, 249
Gambert P, 1726
Ganz P, 1334, 2044
Garcia V, 1990
Garlanda C, 781
Gaspar J, 1106
Gaudet D, 1181
Gazdoin M, 554
Geary RL, 161, 1241, 2010
Gebauer M, 1784
Gefter W, 1924
Geinoz A, 1093
Geng Y-J, 1370
Geraldes P, 1585
Gerritsen ME, 1797
Gerszten RE, 528, 1929
Getz GS, 450, 1251
Gewertz BL, 566
Gijbels M, 975
Gill Á, 1225
Gillissen GF, 2072
Glineur C, 717
Gloe T, 2003
Goddard M, 2030
Goh KL, 927
Goldberg IJ, 2080
Goldberg RB, 1740
Golden DL, 1859
Goldin BR, 1852
Gomaraschi M, 656
Gonsho A, 187
Gorter G, 179
Goto D, 855
Goto S, 1360
Gotto AM Jr, 1506
Gotwals P, 975
Goudevenos JA, 306
Goudouneche D, 638
Goulding DA, 218
Grady D, 1012
Graier WF, 1075
Grant PJ, 506, 704
Grass D, 1213
Grewal J, 1334
Griendling KK, 21
Grijalva V, 1877
Grimbergen JM, 1433
Grino M, 173
Gritti D, 894
Grobbee DE, 1316
Groot PHE, 1924
Gros DB, 225
Grubbs AL, 1122
Gruber H-J, 1075
Guan X, 2059
Güldenzoph B, 1784

Haberichter SL, 921
Hadri KE, 89
Hagaman J, 469
Haghpassand M, 630
Hahn AWA , 231
Hakanen M, 1323
Hall CL, 2099
Hall IR, 147
Hall J, 940
Halliwell B, 574
Hama S, 1877
Hamakubo T, 1712
Hammar N, 832
Hamsten A, 289, 867, 1470
Handa S, 1360
Handelsman DJ, 1136
Handy I, 1439
Hanks VK, 861
Hansen LB, 374
Hansson GK, 523, 781
Hansson L-O, 674, 995
Hao H, 1093
Harada M, 256
Harmoinen A, 1323
Harrap SB, 874
Harrison DG, 1402, 1761
Hartiala J, 832, 1323
Hashimoto H, 1680
Hashimoto N, 1081
Hassid A, 1086
Hata K, 1838
Hatsukami TS, 1329
Hattori Y, 1591
Havekes LM, 294, 1433
Hawe E, 867, 1918
Hawkins SM, 400
Hayakawa T, 256
Hayashi Y, 1838
Hayashidani S, 438
Haynes WG, 1064
Heagerty PJ, 1329
Heckbert SR, 1051
Hecker M, 949, 1784
Hedblad B, 1704, 2054
Heemskerk JWM, 179
Heere-Ress E, 95
Heeringa P, 975
Hegele RA, 1058
Heine RJ, 593
Heistad DD, 2, 611, 1053, 1054
Heldin C-H, 405
Helenius H, 492
Hellstrand P, 1267
Helmerhorst FM, 201
Hendriks JCM, 274
Henriksen RA, 861
Henrion D, 1579
Henry M, 867
Herbert J-M, 499
Herd JA, 1692
Herman AG, 2023
Herrington DM, 1012, 1692
Herrmann J, 1865
HERS Research Group, 1692
Heydrick S, 34
Hickey H, 1427
HIFMECH Study Group, 867

Higashi M, 1445
Higashikata T, 817
Hikita H, 2044
Hilden J, 312
Hilenski LL, 21
Hilgers S, 1208
Hill CE, 1427
Hill MR, 1631
Hink HU, 1402
Hinokiyama K, 995
Hintze TH, 1273
Hirano K-i, 1712, 1899
Hiraoka H, 1899
Hirase T, 115
Hirata K-i, 108, 115, 969, 1838, 2049
Hirata Y, 1305
Hiroki J, 1445
Ho KJ, 1952
Hoang A, 1482
Hodgin JB, 1859
Hodis HN, 843
Hodivala-Dilke K, 927
Hoekman K, 1500
Hoeks APG, 283
Hofbauer LC, 549
Hoffman M, 1381
Hofman A, 838
Hofnagel O, 710, 2107
Holloszy JO, 961
Holm T, 699
Holmes DR, 1865
Holtz J, 1845
Holven KB, 699
Hong H, 2059
Hong L, 623
Honing ML, 799
Hoogerbrugge N, 294
Horiguchi H, 1649
Horiuchi M, 49, 238
Hoshina K, 2017
Hosoi M, 1573
Hotamisligil GS, 1686
Houard X, 1824
Howard BV, 1008, 1698
Howard TD, 1012
Hoying JB, 1100
Hoylaerts MF, 499
Hsueh WA, 843
Huang J, 745
Huber J, 101, 581
Hudaihed A, 1128
Huff MW, 1884
Hughes DA, 1187
Hui DY, 450, 955
Huittinen T, 431
Hulley SB, 1012
Hulthe J, 1162
Humphries SE, 599, 867, 1631, 1918, 2066
Hunninghake D, 1692
Hurt-Camejo E, 387
Husslein P, 1194
Hwang J-J, 194
Hynes KL, 566
Hynes RO, 927

Ialenti A, 263
Ianaro A, 263
Iba O, 1804
Ichii T, 1286, 1573
Ide T, 438, 1240
Iida KT, 380
IJsseldijk MJW, 686
Ikeda Y, 187
Ikegami C, 1899
Ilyinskaya O, 2037
Imada T, 1804
Imai Y, 1310
Imajoh-Ohmi S, 1838
Inagami T, 752
Inazu A, 817
Ingle G, 1797
Inoue H, 1415
Inoue M, 662
Inoue N, 108, 115, 969, 1838, 2049
Ireland CC, 1692
Iruela-Arispe ML, 1106
Isacsson S-O, 1704
Ishibashi S, 1310
Ishida T, 115
Ishigami M, 1899
Ishimori N, 855
Ishizaka N, 1305, 1680
Isner JM, 901
Isoda K, 1002
Isshiki T, 1360
Itabe H, 1649, 1838
Ito M, 243
Ito Takayuki, 256
Ito Toshimitu, 1002
Itoh H, 1838, 2049
Ivory K, 1187
Iwai K, 2049
Iwai M, 49, 238
Iwao H, 82, 1299
Iwasaka T, 1804
Izumi A, 1712
Izumi Y, 1299
Izumiya Y, 1299

Jackson CL, 788
Jacob M-P, 1824
Jacobsen DW, 1354
Jacques PF, 488
Jaffer FA, 849, 1929
Jager A, 593
Jalbert SM, 1852
James RW, 133
Jansen B, 95
Janzon L, 1704, 2054
Jartti L, 832
Jarvik GP, 1329
Järvisalo MJ, 832, 1323
Jauhiainen M, 353
Jeet S, 517
Jen CJ, 1219
Jeninga EH, 686
Jenner AM, 574
Jennings G, 153, 940
Jenny NS, 2066
Jensen JS, 1168
Jensen KS, 1168
Jeong E-M, 1451
Jesmin S, 1591
Jiang B, 1811
Jin DK, 1451, 1459
Johansson B-L, 674
Johnson JL, 788
Jokinen E, 492
Jonas U, 231
Jones J, 141
Jones M, 1972
Jovinge S, 644
Jozwiak MA, 921
Juhan-Vague I, 173, 867
Julien P, 1181
Juneja H, 348

Kageyama S, 187
Kaibuchi K, 243
Kakkar AK, 1500
Kakuuchi H, 1347
Kalinina N, 2037
Kalopissis A-D, 638
Kalyanaraman B, 1655
Kamei J, 752
Kamihata H, 1804
Kammerer CM, 1720
Kampert JB, 1869
Kandabashi T, 243
Kaneda H, 1680
Kaneda Y, 115
Kaneider NC, 894, 1029
Kaneko T, 855
Kanellakis P, 940, 2037
Kang C, 1232
Kangawa K, 1310
Kanno T, 662
Kaprio J, 832
Karabina S-AP, 306
Kardia SL, 418
Kargman DE, 141
Karnicki K, 342, 1495
Karpe F, 289, 1470
Karten B, 581
Karwowski JK, 2017
Kaser S, 1465
Kashanipour A, 1194
Kastelein JJP, 294, 2092
Kato H, 539
Katusic ZS, 1254
Katz SD, 1128
Kawabe Y, 1712
Kawashima S, 108, 115, 969, 1838, 2049
Kearney M, 901
Kee P, 1912
Kelkenberg U, 949
Keller BT, 1884
Keller M, 2003
Kenagy RD, 400
Kenyon CJ, 2072
Keulen ETP, 283
Kiliaan AJ, 838
Kim DS, 1451, 1459
Kim HS, 1451, 1459
Kim Shinja, 469
Kim Shokei, 82, 1299
Kim WJH, 554
King VL, 456
Kinlay S, 1334, 2044
Kinter MT, 1354
Kirchhofer D, 517
Kissinger KV, 849
Kita T, 2107
Kitabatake A, 855, 1591
Kitazato KT, 1649
Kleschyov AL, 1761
Kluge E, 2105
Knaapen MWM, 1433, 2023
Knaapen MWM, 1433
Knudtson KL, 611
Kobayashi K, 1838
Kobayashi M, 1712
Kobayashi Seiichi, 1838, 2049
Kobayashi Shotai, 605
Kockx MM, 1433, 2023
Kodama T, 1712
Koh KK, 1451, 1459
Kohro T, 1712
Koller A, 28
Kolodgie F, 1642, 1936
Komorowicz E, 342
Konkol C, 300
Konstantinides S, 1943
Kontos CD, 745
Kornerup K, 1168
Koskenvuo M, 832
Kostense PJ, 593, 1500
Kotani K, 662
Koteliansky VE, 975
Kottke-Marchant K, 1042
Kotze HF, 323
Kouyama T, 187
Kovanen PT, 211, 268, 1475, 2086
Koyama H, 1286, 1573, 1712
Kreuzer J, 914
Kroner C, 179
Kronmal R, 1175
Krötz F, 2003
Kruijshoop M, 283
Kübler W, 914
Kuenen BC, 1500
Kuhel DG, 955
Kulathinal S, 353
Kuller L, 1175
Kuller LH, 424, 1674, 2066
Kume N, 711, 2107
Kunicki TJ, 14, 1733
Kunihiro I, 243, 1445
Kunjathoor VV, 462
Kupka MJ, 849
Kurihara H, 1310
Kurihara Y, 1310
Kutys R, 1642
Kuwahara M, 329
Kwak BR, 225

Lacroix O, 173
Laffan MA, 335
Lai L-P, 194
Laimer M, 1465
LaMantia C, 1046
Lamarche B, 1181
Lamberts SWJ, 1316
Lambeth JD, 21
Lamping KG, 611
Lampugnani MG, 617
Landmesser U, 1367
Lanfrancone L, 617
Lange EM, 418
Lange LA, 418
Langefeld CD, 418
Langenberger H, 95
Langille BL, 1972
Langmann T, 127
Lankhorst Æ, 2072
Lardenoye JHP, 1433
Larson MG, 849
Lassègue B, 21
Lassila R, 167, 2093
Lauer B, 2105
Laufs U, 300, 1208, 1567
Laurent GJ, 1631
Le Blanche AF, 1604
LeBard LS, 1113
LeBoeuf RC, 462
Lebrun CEI, 1316
Lee AC, 1535
Lee ET, 1008, 1698
Lee FSH, 1972
Lee M, 1475, 2086
Lehtimäki T, 1323
Leinonen M, 431
Leirisalo-Repo M, 1637
Leitinger N, 101, 581
Lelkes PI, 587

Lemaitre RN, 1051
Lentz SR, 1064, 1996
Lerman A, 1865
Lerman LO, 1865
Letourneur D, 1604
Leuven JAG, 294
Lev EI, 1036
Levade T, 1990
Levi M, 1500
Levitz M, 1832
Lévy BI, 1579
Levy D, 849, 1662
Levy SE, 1946
Lewis GF, 483
Li B, 961, 1797
Li Lei, 61
Li Lixin, 249
Li Z, 1579
Liang L, 1200
Liao H, 127
Liao JK, 1952
Liaugaudas G, 488
Libby P, 1370, 1452
Libermann TA, 1106
Lichtenstein AH, 1852
Lijnen HR, 374
Lin K-F, 1279
Lin PH, 1560
Lin X, 476
Lin Y, 1086
Lincoff AM, 1036, 1598
Lind P, 2054
Lindgärde F, 2054
Lindner V, 1978
Lindsey S, 443, 630
Linton MF, 1686, 1892
Linz W, 300
Lippolis L, 263
Little PJ, 55
Liu CH, 843
Liu CR, 843
Liu PY, 1136
Liu Y, 76
Llorente-Cortés V, 387, 1905
Longstreth WT Jr, 1051
Lopez G, 587
Lorenzet R, 782
Loscalzo J, 34
Loskutoff DJ, 1943
Losordo DW, 901
Loufrani L, 1579
Löwbeer C, 995
Lowe GDO, 599
Lowery M, 1692
Loyau S, 1232
Lu H, 817
Lu M, 76
Lu X, 1200
Lu X-h, 1560
Luc G, 1155
Luechtenborg B, 710
Luedemann C, 901
Lumsden AB, 1560
Lund-Katz S, 1213
Lundahl B, 289
Luo H, 394
Luo Z, 1113
Luong LA, 2066
Lupu F, 218, 499
Lusis AJ, 121, 650
Lussier-Cacan S, 824
Lutgens E, 975
Luttun A, 499
Ly LP, 1136
Ma AA, 772
Mabuchi H, 817
Maca T, 1194
MacCallum H, 147
MacCluer JW, 1008, 1055, 1698
Mach F, 225
MacKay LS, 147
Mackenzie IS, 147
Mackness B, 1248
Mackness MI, 1248
Madamanchi NR, 1758
Maeda Kazuhisa, 1686
Maeda Kazumi, 1838
Maeda N, 469, 1859
Maekawa H, 1310
Maemura K, 1310
Maffia P, 263
Mahaney MC, 1720
Maiello FM, 263
Major AS, 1892
Major DA, 1012
Major TC, 1200
Majors AK, 1354
Mäkimattila S, 1637
Makowski L, 1686
Malecha MJ, 2099
Malik A, 554
Malinow MR, 1051
Mann GE, 574
Manninen V, 431
Manning RA, 335
Manning WJ, 849
Manolio TA, 359
Mansfield MW, 506, 704
Manson JE, 1668
Mantovani A, 781, 782
Mänttäri M, 431
Manuelin D, 1334
Maquoi E, 374
Margaglione M, 867
Mark AL, 881
Marmur JD, 1036
Marniemi J, 492, 832
Marshall RP, 1631
Martinet W, 2023
Martínez-González J, 387, 1409
Massov T, 1148
Mast AE, 2099
Masuda J, 605
Matoba T, 243, 1445
Matsubara H, 1804
Matsui Hideo, 256
Matsui Hideto, 329
Matsukawa A, 115
Matsumoto A, 855
Matsushita J, 187
Matsuura F, 1899
Matsuyama A, 1899
Matsuzawa Y, 1712, 1899
Maugeais C, 989, 1213
Maupas-Schwalm F, 1990
McAnulty RJ, 1631
McBane RD II, 342, 1495
McCann L, 1402
McEniery CM, 147
McGurk G, 1427
McIntyre TM, 727
McKinstry LA, 1329
McMahon AD, 599
McNamara JR, 1148
Meddahi-Pellé A, 1604
Meijer J, 838
Meijers JCM, 1500
Meijssen S, 811
Meilhac O, 1824
Meinertz H, 312
Meiring M, 323
Mendez AJ, 1740
Mercier N, 89
Mertens K, 511
Mesa MD, 1225
Metsärinne KP, 268
Michel J-B, 1604, 1824
Middelberg RPS, 1142
Mikami K, 662
Mikoshiba K, 179
Millar JS, 989
Miller FJ Jr, 560, 1948
Miller GJ, 1918
Miller RS, 1495
Mills JD, 704
Minami M, 2107
Minamino N, 1310
Minar E, 1194
Mirshahi F, 623
Mishal Z, 623
Mittermayer F, 95
Mitulovic G, 101
Miwa Y, 907, 1415
Miyagi M, 907, 1415
Miyake JH, 121
Miyata S, 329
Miyata T, 1232
Miyazaki H, 82
Miyazaki O, 1482
Mizuno T, 329
Moatti N, 638
Moldes M, 89
Monroe DM, 1381
Montgomery RR, 921
Moons L, 499
Morabia A, 133
Morange P, 173, 867
Morawietz H, 1845
Mori S, 1081
Mori T, 1838
Morikawa K, 243, 1445
Morishita R, 115
Morita H, 1310
Moriyama H, 605
Morris AD, 193
Morris MA, 133
Morrow JD, 983
Motew SJ, 161
Motley ED, 752
Movin T, 1129
Mtairag EM, 1824
Mudd SH, 1046
Mukai Y, 243, 1445
Muldowney JAS 3rd, 1946
Mulhaupt F, 225
Müller K, 300
Müller MR, 1194
Mullick AE, 772, 2080
Mungai PT, 566
Münzel T, 525, 1761
Murdoch SJ, 667
Murohara T, 901
Murphey LJ, 1023
Nabika T, 605
Nagahiro S, 1649
Nagai R, 1305, 1310, 1680
Naito M, 1712
Nakagami H, 49, 238
Nakahashi TK, 2017
Nakajima K, 1002
Nakazawa H, 187
Nakhla S, 1136
Nam B-H, 1662
Namba M, 82
Namiki M, 115, 969
Napawan N, 1884
Napoleone E, 782
Napoli C, 1745
Naruse K, 256
Nasreen S, 605
Nathe TJ, 1293
Navab M, 1877
Naydeck BL, 424, 1674
Negre-Salvayre A, 1990
Nemerson Y, 1369
Nenseter MS, 699
Nestel P, 1482, 1743
Newby AC, 765
Newman AB, 424, 1674
Ng C, 1877
Ng MKC, 1136
Nguyen AD, 1402
Ngyuen M, 1421
Nickenig G, 300, 1208, 1567
Nicolaes GAF, 530
Nicoletti A, 638
Nielsen LB, 1489
Nijpels G, 593
Niki E, 1712
Nilausen K, 312
Nilsson J, 644
Nishi K, 1649
Nishiue T, 1804
Nishizawa Y, 1286, 1573
Niyonsenga T, 824
Noguchi N, 1712
Nohara A, 817
Nolte LA, 961
Nordestgaard BG, 1168
Noris P, 894
North KE, 1008, 1698
Numaguchi K, 752
Numaguchi Y, 256
Nurden AT, 686
Nurden P, 686
Nyman T, 268
O K, 1777
Oates JA, 983
Oberley LW, 560, 1996
Oberley TD, 560
O'Brien EJ, 1924
O'Brien K, 462
O'Connor JJ Jr, 1148
O'Donnell CJ, 849, 1662
O'Donnell J, 335
Oettgen P, 1106
Ogasawara K, 1680
Ogawa W, 108
Ogden BE, 1113
Ogg MS, 2066
Oguchi S, 644
Oh-hashi Y, 1310
Ohashi N, 438, 1240
Ohashi Y, 1838
Ohno M, 1680
Ohsuzu F, 1002
Okazaki M, 1347
Oksjoki R, 211
Okuda M, 1790
Okuda Y, 380
Okumura K, 256
Okumura-Noji K, 1347
Okuno Y, 1286
O'Leary D, 1674
Olin KL, 55
Omoboni L, 656
Öörni K, 211

Opolon P, 623
Ordovas JM, 805, 1148
Orth SR, 914
Ose L, 699
Osende JI, 1036
Östergren P-O, 1704
Osuga J, 1310
Otani S, 1286
Otero-Viñas M, 387, 1905
Otvos J, 1148, 1175
Ouchi Y, 1305
oude Egbrink MGA, 680
Oudghiri M, 1824
Owen J, 1012
Owen WG, 342, 1495
Ozaki M, 108, 115, 969, 2049

Paakkunainen U, 1323
Pagano PJ, 1962
Paigen B, 884, 1390
Paik MC, 141
Painter CA, 1023
Pairault J, 89
Palinski W, 1745
Palosuo T, 431
Palumbo R, 405
Pannekoek H, 1978
Panousis CG, 744
Papadogiannakis N, 1129
Papafili A, 1631
Papharalambus C, 759
Park GS, 1451
Parker AC, 934
Parthasarathy S, 1402
Pasquier C, 1824
Pasterkamp G, 1241
Pastier D, 638
Patel CV, 1439
Patel RC, 1439
Patrono C, 1516
Patsch JR, 1465
Patterson C, 1758
Paul J-L, 638
Paulin D, 1579
Paultre F, 141
Pearce GL, 1042
Pearlstein DP, 566
Pederiva S, 2093
Peeters PHM, 1316
Pekkanen J, 353
Pendurthi UR, 1421
Peng L, 934
Penn MS, 1598
Pentikäinen MO, 211
Pepper MS, 1093
Peri G, 782
Perko M, 1489
Pernow J, 674
Perron P, 1181
Peters RJG, 2092
Petersen LC, 1421
Peyser PA, 418
Pijpe A, 1316
Pikuleva I, 1129
Pinedo HM, 1500
Pitkänen T, 431
Pleiner J, 95
Plenz G, 710
Pohl U, 2003
Polak JF, 1662
Pompilio G, 405
Pont F, 1726
Pontiggia L, 2093
Poole AR, 499
Powell KL, 793
Preissner KT, 549
Prescott SM, 727
Pretorius M, 1023
Priest EL, 1869
Priller J, 1567
PRIME Study Group, 1155
Principe N, 901
Psaty B, 1051, 1175
Pustina L, 317
Pyeritz RE, 1354

Quax PHA, 1433
Quiles JL, 1225
Quinn MT, 21, 1845, 2037
Quinonnes M, 843

Rabelink TJ, 6, 799
Rader DJ, 989, 1213, 1924
Raffel LJ, 843
Raines EW, 1573
Rainwater DL, 1720
Rais S, 1824
Raitakari OT, 832, 1323
Rajagopalan S, 1655
Ramírez-Tortosa CL, 1225
Ramírez-Tortosa MC, 1225
Ramsay D, 153
Rao LVM, 1421
Raoux S, 133
Raposo B, 1409
Rapp SR, 1884
Rashid S, 483
Rasi V, 353
Rask-Nissilä L, 492
Rasmussen H, 1852
Reardon CA, 450
Reboussin DM, 1012
Recinos A III, 1257
Reddick RL, 469
Reddy ST, 1877
Redmond EM, 1610
Refino CJ, 517
Register TC, 1859
Reidy MA, 394
Reis ED, 554
Reissner A, 69
Reitsma PH, 2092
Remijn JA, 686
Reneman RS, 680
Rey FE, 1962
Rezaie-Majd A, 1194
Ricciarelli R, 412
Ricevuti G, 894
Richard M, 1036
Richter RJ, 1329
Ridker PM, 1512, 1668
Rifai N, 1668
Rikitake Y, 108, 2049
Riley W, 1692
Rissanen A, 167
Ritsch A, 1465
Robbins J, 1036
Robenek H, 710, 2107
Roberts HR, 1381
Robins SJ, 1148
Rodríguez C, 1409
Rogers C, 1769
Rogers G, 488
Rogers J, 1720
Rolph MS, 781
Roman MJ, 1008, 1698
Rong JX, 1617
Rönnemaa T, 492, 832, 492
Rönnow P, 1129
Rönnstrand L, 405
Ropraz P, 1093
Roque M, 554
Rosebury W, 1200
Rosenbaum DA, 1023
Rosenbaum JT, 587
Rosenberg IH, 488
Rosenberg JB, 921
Rosendaal FR, 201, 1051
Rosenfeld ME, 361, 1832
Rossini A, 2010
Rosvall M, 1704
Rotter JI, 843
Routi T, 492
Royer L, 630
Royston P, 418
Rubins HB, 1148
Rueckschloss U, 1845
Ruel IL, 1181
Ruiz JE, 574
Rumley A, 599
Rummery NM, 1427
Runge MS, 1256, 1758
Rut A, 1924
Rutledge JC, 772, 2080
Ryan MJ, 42
Rye K-A, 1912

Sabatini PJB, 1972
Sacco RL, 141
Saijonmaa O, 268
Saikku P, 431
Saito Yasushi, 662, 1081
Saito Yuichiro, 1310
Sajid M, 1984
Sakai N, 1899
Sakakibara M, 1360
Sakuma I, 1591
Salo P, 492
Salomaa V, 353
Salton C, 849
Salvayre R, 1990
Samee S, 1865
Samnegård A, 867
Sampson MJ, 1187
Sandhofer A, 1465
Santanam N, 1402
Saraste M, 832
Sarhaddar J, 949
Sasaguri T, 907, 1415
Sata M, 1305, 1310
Sattler W, 581
Sawai RS, 1610
Sayeed S, 1610
Schaefer EJ, 805, 1148, 1852
Schäfer K, 1943
Schaff HV, 1865
Schaper NC, 283
Schellenberg GD, 1329
Schieffer B, 231
Schiller NK, 1341
Schlichting CL, 1817
Schmid H-R, 2093
Schmid R, 101
Schmitz G, 127
Schneider JL, 1720
Schonfeld G, 476
Schoppet M, 549
Schrijvers DM, 2023
Schuler G, 2105
Schultz DR, 1740
Schulze PC, 2105
Schumacker PT, 566
Schwartz SM, 2010
Seki N, 1081
Selhub J, 488
Selwyn AP, 1334, 2044
Semenkovich CF, 961
Sengupta S, 1354
Severs NJ, 218
Shah PK, 644
Shanahan C, 2030
Shapiro L, 2030
Sharp WJ, 560
Sharrett AR, 2066
Sheedy PF II, 418
Shen W, 914
Shi W, 650
Shi Y, 650
Shibata H, 605
Shibuya T, 1002
Shimano H, 380
Shimaoka T, 2107
Shimizu M, 817
Shimokawa H, 243, 1445
Shin EK, 1451, 1459
Shin M-S, 1459
Shindo T, 1310
Shinke T, 1838
Shinno K, 1649
Shioi A, 1286, 1573
Shiomi M, 2049
Shiuchi T, 238
Sho E, 2017
Sho M, 2017
Showell HJ, 443
Shu Y-E, 147
Shyy JY-J, 76
Sieder AE, 95
Sierevogel MJ, 1241
Sigmund CD, 42
Silveira A, 1470
Silverman MD, 587
Simell O, 492, 1323
Simon JA, 1012
Sing CF, 824
Siow RCM, 574
Siow YL, 1777
Sirois MG, 1585
Sirtori CR, 317
Siscovick D, 1175
Sitzmann JV, 1610
Sivitz WI, 881
Sixma JJ, 686
Slaaf DW, 680
Smelt AHM, 294
Smirnov V, 2037
Smith LH, 983
Smith NL, 1051
Smith RS Jr, 1279
Smook M, 975
Snieder H, 1142
Sobel BE, 855
Sohn HY, 2003
Sommerhoff CP, 2086
Son JW, 1451, 1459
Sone H, 380
Sorescu D, 21
Soria C, 623
Soria J, 623
Sorrentino R, 263
Souza S, 1984
Spector TD, 1142
Speth RC, 1113
Sposito AC, 1524
Sprecher DL, 1042
Spurr NK, 1924
Spyridopoulos I, 901
Sreejayan N, 1086
Stabler SP, 1046
Staels B, 717

Stafforini DM, 727
Stalenhoef AFH, 274, 294
Stanke-Labesque F, 1239
Stark M, 927
Stavenow L, 2054
Stehouwer CDA, 593
Stemerman MB, 76
Sternik L, 1865
Stoll M, 231
Storkebaum E, 499
Strauss BH, 1241
Stroes E, 6, 799
Struthers AD, 193
Suematsu N, 438
Sugawara T, 855
Sugimoto M, 329
Sugiyama A, 1712
Sukhova GK, 1452
Sullivan CJ, 1100
Sung FL, 1777
Surboeck M, 581
Sutton-Tyrrell K, 424, 1674
Suzuki H, 380
Suzuki J, 49
Suzuki T, 1310
Suzuki Y, 1081
Sviridov D, 1482
Swaminathan R, 1142
Swärd K, 1267
Symons JD, 772
Syrjälä M, 167
Szilvassy SJ, 456
Szöcs K, 21

Taba Y, 907, 1415
Tada H, 1273
Taguchi J, 1680
Tai ES, 805
Tai L-K, 1790
Takahashi A, 1305
Takahashi K, 662
Takahashi S, 243
Takahashi T, 108
Takeda-Matsubara Y, 238
Takeshita A, 243, 438, 1240, 1445
Talmud PJ, 1918
Talukder HMA, 1445
Tamai H, 438
Tambaki AP, 306
Tammi A, 492
Tamura N, 1360
Tan S, 843
Tanaga K, 662
Tanaka K, 1305
Tanaka S, 1286, 1573
Tanaka S-i, 752
Tanaka T, 1712
Tang R, 1470
Tangchitpiyanond K, 650
Tangelder GJ, 680
Tangerman A, 1046
Tanguay J-F, 1585
Taniguchi H, 1712
Taniguchi M, 1299
Taniguchi T, 1305
Tannock L, 55
Tarakji K, 1598
Tararak E, 2037
Tarpey MM, 1519
Taskinen M-R, 1637
Taubman MB, 554, 1617
Taylor AJ, 153
Taylor JL, 1912
Taylor JM, 121
Telford DE, 1884
Tenkanen L, 431
Terashima M, 1838
Thai S, 1106
Theodorakis NG, 1610
Theodore K, 1482
Thielemans J, 2023
Thomsen MS, 1036
Thyberg J, 1509
Tietge UJF, 1213
Tipping P, 499
Tiran A, 1075
Tiran B, 1075
Tobe K, 1310
Todd E, 141
Togo M, 1680
Toikka JO, 832
Tokuno K, 995
Tokuno S, 995
Tonkin AM, 874
Toole JF, 1051
Topol EJ, 1598
Topper JN, 2017
Torra IP, 717
Toscano E, 843
Toy K, 1797
Toyoshima H, 380
Tracy R, 1175, 1514, 2066
Tranum-Jensen J, 1267
Travis JA, 161
Tremoli E, 317, 692
Trip MD, 2092
Tsai C-T, 194
Tsai NT, 1329
Tsao PS, 2017
Tselepis AD, 306
Tseng Y-Z, 194
Tsimihodimos V, 306
Tsuchihashi M, 438
Tsuji S, 329
Tsujita M, 1347, 1712
Tsukamoto K, 1899
Tsutsui H, 438, 1240
Tuck CH, 141
Tumuluri RJ, 587
Tung C-H, 1929
Turner ST, 418
Turpeinen A, 167

Uffelman KD, 483
Unger T, 231
Ungvari Z, 28
Uno M, 1649
Urbich C, 69
Usui S, 1347

Vahtera E, 353
Valdes AM, 1924
Valen G, 995
Valent P, 1194
Vales A, 101
Välimäki I, 492
Vallance P, 793
Valppu L, 21
van Bockel JH, 1433
van der Arend BJ, 147
van der Meer IM, 838
van der Schouw YT, 1316
van der Vuurst H, 179
van Dijk H, 811
van Duijn CM, 294
van Etten RW, 799
van Hinsbergh VWM, 593, 1365, 1433, 1500
Van Hoef B, 374
van Leeuwen EBM, 1075
van Lith HA, 2072
van Mourik JA, 511
van Staveren WA, 1316
van Willigen G, 686
van Zutphen BFM, 2072
VandeBerg JL, 1720
Vandenbroucke JP, 201
Vannier J-P, 623
Vasa M, 69
Vásquez-Vivar J, 1655
Vaughan DE, 983, 1023, 1522
Veerkamp MJ, 274
Vehkavaara S, 167, 1637
Vehmaan-Kreula P, 268
Veillard N, 225
Vergès B, 1726
Verhaar MC, 6
Verin V, 1093
Verseyden C, 811
Viedt C, 914
Viikari J, 492, 1323
Vijayan KV, 1984
Villa B, 656
Vincent L, 623
Vinten J, 1267
Virkkunen H, 431
Virmani R, 1642, 1936
Vittinghoff E, 1012
Vogel J, 914
Voland C, 1106
Voldstedlund M, 1267
von Bahr S, 1129
von der Leyen HE, 949
von Eckardstein A, 2086

Wada Y, 1712
Wagner AH, 949, 1075, 1784
Wagner C, 1046
Wahlström E, 431
Wallace EP, 1832
Walsh B, 1293
Walsh K, 1305
Wang DH, 249
Wang G, 1777
Wang J, 743
Wang K, 1598
Wang L, 1018
Wang TJ, 1662
Wang Xiaosong, 884, 1390
Wang XL, 743, 2105
Wang X-Q, 744
Wang Xuping, 650
Wang Y, 268
Wang Y-W, 348
Wang Z, 1273
Wani R, 1329
Ward MR, 940
Warnholtz A, 525
Washida M, 1305
Wassmann S, 300, 1208
Watanabe T, 483
Watano K, 855
Waters D, 2059
Webb DJ, 147
Weber DK, 1642
Weintraub NL, 4, 560
Weis M, 1817
Weiss H, 1465
Weiss N, 34
Weissberg PL, 1624
Weissleder R, 1929
Welt FGP, 1769
Welty TK, 1008, 1698
Wendt M, 525
Weng S, 961
Weng W, 443
Werner N, 1567
Westerbacka J, 167
Weydert CJ, 1996
White RH, 1018
Whitsett J, 1655
Whittle J, 424
Wiedermann CJ, 894, 1029
Wight TN, 55, 400, 1642
Wilcox JN, 21
Wilkinson IB, 147
Willard B, 1354
Williams AJ, 1136
Williams FM, 874
Williams H, 788
Williams JK, 161, 1452, 1859
Williams PM, 1797
Wilson PW, 805, 1662
Witte DP, 955
Witteman JCM, 838
Witztum JL, 101, 2044
Wolf PA, 1662
Wolfe ML, 1924
Wolzt M, 95
Wong J, 650
Wong JM, 2010
Wong ZYH, 874
Woo CWH, 1777
WOSCOPS Group, 599
Wu C-a, 1347
Wu D, 323
Wu J-H, 469
Wu KK, 348, 1018
Wu L, 49, 238
Wu Y-P, 686

Xhignesse M, 824
Xiang AH, 843
Xu Q, 1547
Xu S, 1811

Yamada M, 256
Yamada N, 380
Yamakawa T, 752
Yamakawa Y, 752
Yamamoto H, 187
Yamamoto T, 1712
Yamashita K, 605
Yamashita S, 1712, 1899
Yamashita T, 115, 969, 2049
Yan C, 1790
Yang R-B, 2017
Yang S, 1797
Yano J, 644
Yao Q, 1560
Yasumoto H, 82
Yatoh S, 380
Yazaki Y, 1310
Yeh C, 2017
Yki-Järvinen H, 167, 1637
Yokota C, 1415
Yokoyama M, 108, 115, 969, 1305, 1838, 2049
Yokoyama S, 1347, 1712
Yonehara S, 2107
Yoon B-K, 1459
Yoshimoto R, 187
Yoshioka A, 329
Yoshizumi M, 1305
Yu W, 817
Yudkin J, 867
Yue P, 476

Zammit KS, 874

Zanetti A, 617
Zdravkovic M, 1036
Zehr KJ, 1865
Zeiher AM, 69, 715
Zeisel SH, 1046
Zettl F, 2086
Zhan Y, 82, 1299
Zhang QJ, 2030
Zhang X-P, 1273
Zhang Yan, 759
Zhang Yong, 759
Zhang Y-Y, 34
Zhang Z, 1899
Zhao X-Q, 1535
Zhao Y, 231
Zheng H, 1128
Zhong D-s, 1560
Zhou X, 1598
Zhou Z, 1598
Zhu B, 450, 955
Zhu Yanhong, 934
Zhu Yi, 76, 127
Zieske A, 1936
Zimmer S, 781
Zimmerman GA, 727
Zingg J-M, 412
Zlot C, 1797
Zuckerman SH, 744
Zwinderman AH, 2092

Subject Index

Volume 22, January–December 2002

A

ABCA1
Increased Atherosclerosis in Hyperlipidemic Mice With Inactivation of ABCA1 in Macrophages, 630
Native LDL Upregulation of ATP-Binding Cassette Transporter-1 in Human Vascular Endothelial Cells, 127

Abdominal aortic aneurysm
Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms, 2017

Abdominal obesity
Early Kinetic Abnormalities of ApoB-Containing Lipoproteins in Insulin-Resistant Women With Abdominal Obesity, 1726

ABO blood group
Amount of *H* Antigen Expressed on Circulating von Willebrand Factor Is Modified by ABO Blood Group Genotype and Is a Major Determinant of Plasma von Willebrand Factor Antigen Levels, 335

Acidophilic macrophage pneumonia
Aortic Constriction Exacerbates Atherosclerosis and Induces Cardiac Dysfunction in Mice Lacking Apolipoprotein E, 469

Activated protein C resistance
Factor V and Thrombotic Disease: Description of a Janus-Faced Protein, 530

Activator protein-1
Monocyte Chemoattractant Protein-1 Induces Proliferation and Interleukin-6 Production in Human Smooth Muscle Cells by Differential Activation of Nuclear Factor-κB and Activator Protein-1, 914

Acute coronary syndromes
Statin Therapy in Acute Coronary Syndromes: Mechanistic Insight Into Clinical Benefit, 1524

Acylation-stimulating protein
Delayed and Exaggerated Postprandial Complement Component 3 Response in Familial Combined Hyperlipidemia, 811

Adenovirus
Human Endothelial Nitric Oxide Synthase Gene Delivery Promotes Angiogenesis in a Rat Model of Hindlimb Ischemia, 1279

Adhesion molecule
Monocyte and Neutrophil Adhesion Molecule Expression During Acute Hyperglycemia and After Antioxidant Treatment in Type 2 Diabetes and Control Patients, 1187

Adipocytes
Matrix Metalloproteinase Inhibition Impairs Adipose Tissue Development in Mice, 374

Adipose tissue
Matrix Metalloproteinase Inhibition Impairs Adipose Tissue Development in Mice, 374

ADP receptors
Role of ADP Receptor $P2Y_{12}$ in Platelet Adhesion and Thrombus Formation in Flowing Blood, 686

Adrenoceptors
Adrenoceptor Hyporeactivity Is Responsible for *Escherichia coli* Endotoxin-Induced Acute Vascular Dysfunction in Humans, 95

Adrenomedullin
Resistance to Neointimal Hyperplasia and Fatty Streak Formation in Mice With Adrenomedullin Overexpression, 1310

Adventitia
The Reactive Adventitia: Fibroblast Oxidase in Vascular Function, 1962

African American
Relation of Apo(a) Size to Carotid Atherosclerosis in an Elderly Multiethnic Population, 141

Aggregated LDL
Differential Role of Heparan Sulfate Proteoglycans on Aggregated LDL Uptake in Human Vascular Smooth Muscle Cells and Mouse Embryonic Fibroblasts, 1905

Aggregation
Reversal of Thrombin-Induced Deactivation of CD39/ATPDase in Endothelial Cells by HMG-CoA Reductase Inhibition: Effects on Rho-GTPase and Adenosine Nucleotide Metabolism, 894

Aging
Inhibition of Renin-Angiotensin System Ameliorates Endothelial Dysfunction Associated With Aging in Rats, 1445
Nuclear Magnetic Resonance Spectroscopy of Lipoproteins and Risk of Coronary Heart Disease in the Cardiovascular Health Study, 1175
Retarded Intracellular Lipid Transport Associated With Reduced Expression of Cdc42, a Member of Rho-GTPases, in Human Aged Skin Fibroblasts: A Possible Function of Cdc42 in Mediating Intracellular Lipid Transport, 1899

AJW200
Pharmacokinetics and Pharmacodynamics of AJW200, a Humanized Monoclonal Antibody to von Willebrand Factor, in Monkeys, 187

Alimentary lipemia
Postprandial Enrichment of Remnant Lipoproteins With ApoC-I in Healthy Normolipidemic Men With Early Asymptomatic Atherosclerosis, 1470
Postprandial Plasma ApoB-48 Levels Are Influenced by a Polymorphism in the Promoter of the Microsomal Triglyceride Transfer Protein Gene, 289

Alpha-tocopherol
Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms, 2017

American Indians
Heritability of Carotid Artery Structure and Function: The Strong Heart Family Study, 1698

Aneurysm
Oxidative Stress in Human Abdominal Aortic Aneurysms: A Potential Mediator of Aneurysmal Remodeling, 560

Angiogenesis
Central Roles of $\alpha_5\beta_1$ Integrin and Fibronectin in Vascular Development in Mouse Embryos and Embryoid Bodies, 927
Divergence of Angiogenic and Vascular Permeability Signaling by VEGF: Inhibition of Protein Kinase C Suppresses VEGF-Induced Angiogenesis, but Promotes VEGF-Induced, NO-Dependent Vascular Permeability, 901
Human Endothelial Nitric Oxide Synthase Gene Delivery Promotes Angiogenesis in a Rat Model of Hindlimb Ischemia, 1279
Improvement of Collateral Perfusion and Regional Function by Implantation of Peripheral Blood Mononuclear Cells Into Ischemic Hibernating Myocardium, 1804
In Vivo Estrogen Manipulations on Coronary Capillary Network and Angiogenic Molecule Expression in Middle-Aged Female Rats, 1591
Involvement of Endothelial Nitric Oxide in Sphingosine-1-Phosphate-Induced Angiogenesis, 108
Opposing Functions of the Ets Factors NERF and ELF-1 During Chicken Blood Vessel Development, 1106
Pulsatile Flow-Induced Angiogenesis: Role of G_i Subunits, 1610
Regulation of Endothelial Cell Survival and Apoptosis During Angiogenesis, 887

Angiogenesis inhibition
Cerivastatin, an Inhibitor of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase, Inhibits Endothelial Cell Proliferation Induced by Angiogenic Factors In Vitro and Angiogenesis in In Vivo Models, 623

Angioplasty
Coronary Flow Velocity and Disturbed Flow Predict Adverse Clinical Outcome After Coronary Angioplasty, 1334
Metalloproteinase Inhibition and the Response to Angioplasty and Stenting in Atherosclerotic Primates, 161

Angiopoietin
Regulation of Endothelial Cell Survival and Apoptosis During Angiogenesis, 887

Angiotensin
Beneficial Effects of Combined Blockade of ACE and AT_1 Receptor on Intimal Hyperplasia in Balloon-Injured Rat Artery, 1299
Dose-Dependent Regulation of NAD(P)H Oxidase Expression by Angiotensin II in Human Endothelial Cells: Protective Effect of

Angiotensin II Type 1 Receptor Blockade in Patients With Coronary Artery Disease, 1845
Effect of Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling in Angiotensin II Type 2 Receptor Null Mice, 49
Angiotensin II
Angiotensin II Type 1 Receptor Antagonism Improves Hypercholesterolemia-Associated Endothelial Dysfunction, 1208
Identification of a Zinc Finger Homoeodomain Enhancer Protein After AT_2 Receptor Stimulation by Differential mRNA Display, 231
Vascular Inflammation and the Renin-Angiotensin System, 1257
Angiotensin II type 1 receptors
Angiotensin II Type 1 Receptor Antagonism Improves Hypercholesterolemia-Associated Endothelial Dysfunction, 1208
Angiotensin receptors
Identification of a Zinc Finger Homoeodomain Enhancer Protein After AT_2 Receptor Stimulation by Differential mRNA Display, 231
Angiotensin-converting enzyme
Beneficial Effects of Combined Blockade of ACE and AT_1 Receptor on Intimal Hyperplasia in Balloon-Injured Rat Artery, 1299
Angiotensinogen
Vascular Inflammation and the Renin-Angiotensin System, 1257
Animal models
Aortic Constriction Exacerbates Atherosclerosis and Induces Cardiac Dysfunction in Mice Lacking Apolipoprotein E, 469
Enhanced Atherogenesis Is Not an Obligatory Response to Systemic Herpesvirus Infection in the ApoE-Deficient Mouse: Comparison of Murine γ-Herpesvirus-68 and Herpes Simplex Virus-1, 793
Animal protein
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852
Ankle-arm index
Relationship Between Coronary Artery Calcification and Other Measures of Subclinical Cardiovascular Disease in Older Adults, 1674
Anoikis
Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions, 1824
Antibody
A Human Antibody That Inhibits Factor IX/IXa Function Potently Inhibits Arterial Thrombosis Without Increasing Bleeding, 517
Anticoagulants
A Human Antibody That Inhibits Factor IX/IXa Function Potently Inhibits Arterial Thrombosis Without Increasing Bleeding, 517
Antioxidant vitamins
Antioxidant Vitamins and Lipid Therapy: End of a Long Romance?, 1535
Antioxidants
Curcuma longa Extract Supplementation Reduces Oxidative Stress and Attenuates Aortic Fatty Streak Development in Rabbits, 1225
Greater Oxidative Stress in Healthy Young Men Compared With Premenopausal Women, 438
Monocyte and Neutrophil Adhesion Molecule Expression During Acute Hyperglycemia and After Antioxidant Treatment in Type 2 Diabetes and Control Patients, 1187
Oxidative Stress in Human Abdominal Aortic Aneurysms: A Potential Mediator of Aneurysmal Remodeling, 560
Vitamin C and E Intake Is Associated With Increased Paraoxonase Activity, 1329
Antisense oligodeoxynucleotides
Human Coronary Smooth Muscle Cells Internalize Versican-Modified LDL Through LDL Receptor-Related Protein and LDL Receptors, 387
Antithrombin
Protein C, Antithrombin, and Venous Thromboembolism Incidence: A Prospective Population-Based Study, 1018
Antithrombotic agents
Inhibition of Platelet Glycoprotein Ib, Glycoprotein IIb/IIIa, or Both by Monoclonal Antibodies Prevents Arterial Thrombosis in Baboons, 323
Aorta
Age and Sex Distribution of Subclinical Aortic Atherosclerosis: A Magnetic Resonance Imaging Examination of the Framingham Heart Study, 849
Curcuma longa Extract Supplementation Reduces Oxidative Stress and Attenuates Aortic Fatty Streak Development in Rabbits, 1225
Endothelial Dysfunction and Blood Pressure Variability in Selected Inbred Mouse Strains, 42
Genetic Influences on Aortic Root Size in American Indians: The Strong Heart Study, 1008
Oxidative Stress in Human Abdominal Aortic Aneurysms: A Potential Mediator of Aneurysmal Remodeling, 560
Quantification of mRNA for Endothelial NO Synthase in Mouse Blood Vessels by Real-Time Polymerase Chain Reaction, 611
Aortic stiffness
Higher Usual Dietary Intake of Phytoestrogens Is Associated With Lower Aortic Stiffness in Postmenopausal Women, 1316
AP2
Adipocyte Fatty Acid-Binding Protein, aP2, Alters Late Atherosclerotic Lesion Formation in Severe Hypercholesterolemia, 1686
Apical sodium-dependent bile acid transporter
Inhibition of the Apical Sodium-Dependent Bile Acid Transporter Reduces LDL Cholesterol and ApoB by Enhanced Plasma Clearance of LDL ApoB, 1884
Apobec1
Normal Production Rate of Apolipoprotein B in LDL Receptor-Deficient Mice, 989
Apolipoprotein A-I
Lipolytically Modified Triglyceride-Enriched HDLs Are Rapidly Cleared From the Circulation, 483
Metabolism of ApoA-I as Lipid-Free Protein or as Component of Discoidal and Spherical Reconstituted HDLs: Studies in Wild-Type and Hepatic Lipase Transgenic Rabbits, 1912
Nonfasting Apolipoprotein B and Triglyceride Levels as a Useful Predictor of Coronary Heart Disease Risk in Middle-Aged UK Men, 1918
Value of HDL Cholesterol, Apolipoprotein A-I, Lipoprotein A-I, and Lipoprotein A-I/A-II in Prediction of Coronary Heart Disease: The PRIME Study, 1155
Apolipoprotein A-I-knockout mice
Mast Cell Chymase Degrades ApoE and ApoA-II in ApoA-I-Knockout Mouse Plasma and Reduces Its Ability to Promote Cellular Cholesterol Efflux, 1475
Apolipoprotein B
Diagnosis of Familial Combined Hyperlipidemia Based on Lipid Phenotype Expression in 32 Families: Results of a 5-Year Follow-Up Study, 274
Early Kinetic Abnormalities of ApoB-Containing Lipoproteins in Insulin-Resistant Women With Abdominal Obesity, 1726
Hepatic Fatty Acid Synthesis Is Suppressed in Mice With Fatty Livers Due to Targeted Apolipoprotein B38.9 Mutation, 476
Nonfasting Apolipoprotein B and Triglyceride Levels as a Useful Predictor of Coronary Heart Disease Risk in Middle-Aged UK Men, 1918
Apolipoprotein B kinetics
Inhibition of the Apical Sodium-Dependent Bile Acid Transporter Reduces LDL Cholesterol and ApoB by Enhanced Plasma Clearance of LDL ApoB, 1884
Apolipoprotein C-I
Postprandial Enrichment of Remnant Lipoproteins With ApoC-I in Healthy Normolipidemic Men With Early Asymptomatic Atherosclerosis, 1470
Apolipoprotein C-III
Association Between the PPARA L162V Polymorphism and Plasma Lipid Levels: The Framingham Offspring Study, 805
Apolipoprotein E
Apolipoprotein E and Lipoprotein Lipase Increase Triglyceride-Rich Particle Binding but Decrease Particle Penetration in Arterial Wall, 2080
Atherosclerosis in C3H/HeJ Mice Reconstituted With Apolipoprotein E-Null Bone Marrow, 650
Both Apolipoprotein E and Immune Deficiency Exacerbate Neointimal Hyperplasia After Vascular Injury in Mice, 450
Characteristics of Intact and Ruptured Atherosclerotic Plaques in Brachiocephalic Arteries of Apolipoprotein E Knockout Mice, 788
Expression of Type III Hyperlipoproteinemia in Apolipoprotein E2 (Arg158→Cys) Homozygotes Is Associated With Hyperinsulinemia, 294

Impact of Dietary Intervention, Sex, and Apolipoprotein E Phenotype on Tracking of Serum Lipids and Apolipoproteins in 1- to 5-Year-Old Children: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 492
Physical Activity May Modulate Effects of *ApoE* Genotype on Lipid Profile, 133

Apolipoprotein E deficiency
Accumulation of Biglycan and Perlecan, but Not Versican, in Lesions of Murine Models of Atherosclerosis, 462

Apolipoprotein E knockout mice
Resistance to Neointimal Hyperplasia and Fatty Streak Formation in Mice With Adrenomedullin Overexpression, 1310

Apolipoprotein E polymorphism
Impact of Alcohol Intake on Measures of Lipid Metabolism Depends on Context Defined by Gender, Body Mass Index, Cigarette Smoking, and *Apolipoprotein E* Genotype, 824

Apolipoprotein(a)
Lp(a) Particles Mold Fibrin-Binding Properties of Apo(a) in Size-Dependent Manner: A Study With Different-Length Recombinant Apo(a), Native Lp(a), and Monoclonal Antibody, 1232

Apolipoproteins
Accumulation of Biglycan and Perlecan, but Not Versican, in Lesions of Murine Models of Atherosclerosis, 462
Human Secretory Phospholipase A_2 Mediates Decreased Plasma Levels of HDL Cholesterol and ApoA-I in Response to Inflammation in Human ApoA-I Transgenic Mice, 1213

Apoptosis
Gene Expression Profiling of Apoptosis-Related Genes in Human Atherosclerosis: Upregulation of Death-Associated Protein Kinase, 2023
Insulin Inhibits Apoptosis of Macrophage Cell Line, THP-1 Cells, via Phosphatidylinositol-3-Kinase-Dependent Pathway, 380
Progression of Atheroma: A Struggle Between Death and Procreation, 1370
Purinergic Signaling and Vascular Cell Proliferation and Death, 364
Regulation of Endothelial Cell Survival and Apoptosis During Angiogenesis, 887

Apoptotic blebs
Oxidized Membrane Vesicles and Blebs From Apoptotic Cells Contain Biologically Active Oxidized Phospholipids That Induce Monocyte-Endothelial Interactions, 101

Arterial calcification
RANK Ligand and Osteoprotegerin: Paracrine Regulators of Bone Metabolism and Vascular Function, 549

Arterial injury
Both Apolipoprotein E and Immune Deficiency Exacerbate Neointimal Hyperplasia After Vascular Injury in Mice, 450
CCR2 Deficiency Decreases Intimal Hyperplasia After Arterial Injury, 554
Inhibitory Effect on Arterial Injury-Induced Neointimal Formation by Adoptive B-Cell Transfer in Rag-1 Knockout Mice, 644

Arterial permeability
Hyperhomocysteinemia Evoked by Folate Depletion: Effects on Coronary and Carotid Arterial Function, 772

Arterial proteoglycans
Mast Cell Tryptase Degrades HDL and Blocks Its Function as an Acceptor of Cellular Cholesterol, 2086

Arterial remodeling
Flow-Dependent Remodeling in the Carotid Artery of Fibroblast Growth Factor-2 Knockout Mice, 1100

Arterial stiffness
Hyperhomocysteinemia Evoked by Folate Depletion: Effects on Coronary and Carotid Arterial Function, 772

Arterial thrombosis
Reversal of Thrombin-Induced Deactivation of CD39/ATPDase in Endothelial Cells by HMG-CoA Reductase Inhibition: Effects on Rho-GTPase and Adenosine Nucleotide Metabolism, 894

Arterial wall
Apolipoprotein E and Lipoprotein Lipase Increase Triglyceride-Rich Particle Binding but Decrease Particle Penetration in Arterial Wall, 2080

Arteries
Influence of Anatomical Location on Arterial Thrombosis, 342
Progression of Atheroma: A Struggle Between Death and Procreation, 1370

Arterioles
Xanthine Oxidase-Derived Reactive Oxygen Species Convert Flow-Induced Arteriolar Dilation to Constriction in Hyperhomocysteinemia: Possible Role of Peroxynitrite, 28

Arteriosclerosis
Circulating Autoantibodies to Oxidized LDL Correlate With Impaired Coronary Endothelial Function After Cardiac Transplantation, 2044
Differential Gene Expression in Vascular Smooth Muscle Cells in Primary Atherosclerosis and In Stent Stenosis in Humans, 2030
Distinction in Genetic Determinants for Injury-Induced Neointimal Hyperplasia and Diet-Induced Atherosclerosis in Inbred Mice, 955
Simvastatin Promotes Atherosclerotic Plaque Stability in ApoE-Deficient Mice Independently of Lipid Lowering, 1832

Artery wall cells
ATP-Binding Cassette Transporter 1 Participates in LDL Oxidation by Artery Wall Cells, 1877

Artherosclerosis
Rho-GTPase-Dependent Platelet-Neutrophil Interaction Affected by HMG-CoA Reductase Inhibition With Altered Adenosine Nucleotide Release and Function, 1029

Aspirin
Aspirin Inhibits *Chlamydia pneumoniae*-Induced Nuclear Factor-κB Activation, Cytokine Expression, and Bacterial Development in Human Endothelial Cells, 1075

Atherosclerosis
Accumulation of Biglycan and Perlecan, but Not Versican, in Lesions of Murine Models of Atherosclerosis, 462
Adipocyte Fatty Acid-Binding Protein, aP2, Alters Late Atherosclerotic Lesion Formation in Severe Hypercholesterolemia, 1686
Age and Sex Distribution of Subclinical Aortic Atherosclerosis: A Magnetic Resonance Imaging Examination of the Framingham Heart Study, 849
Altered Pattern of Vascular Connexin Expression in Atherosclerotic Plaques, 225
Antioxidant Vitamins and Lipid Therapy: End of a Long Romance?, 1535
Apolipoprotein E and Lipoprotein Lipase Increase Triglyceride-Rich Particle Binding but Decrease Particle Penetration in Arterial Wall, 2080
Association of C-Reactive Protein With Carotid Atherosclerosis in Men and Women: The Framingham Heart Study, 1662
The Atheroprotective Effect of Dietary Soy Isoflavones in Apolipoprotein E−/− Mice Requires the Presence of Estrogen Receptor-α, 1859
Atherosclerosis in C3H/HeJ Mice Reconstituted With Apolipoprotein E-Null Bone Marrow, 650
ATP-Binding Cassette Transporter 1 Participates in LDL Oxidation by Artery Wall Cells, 1877
Autoimmunity to Human Heat Shock Protein 60, *Chlamydia pneumoniae* Infection, and Inflammation in Predicting Coronary Risk, 431
Autosomal Genome-Wide Scan for Coronary Artery Calcification Loci in Sibships at High Risk for Hypertension, 418
B-Lymphocyte Deficiency Increases Atherosclerosis in LDL Receptor-Null Mice, 1892
C-Reactive Protein Relaxes Human Vessels In Vitro, 1865
Circulating Oxidized LDL Is Associated With Subclinical Atherosclerosis Development and Inflammatory Cytokines (AIR Study), 1162
Combined Endothelin Receptor Blockade Evokes Enhanced Vasodilatation in Patients With Atherosclerosis, 674
Comparative Effects of Diet and Statin or. NO Bioactivity and Matrix Metalloproteinases in Hypercholesterolemic Patients With Coronary Artery Disease, 1451
Curcuma longa Extract Supplementation Reduces Oxidative Stress and Attenuates Aortic Fatty Streak Development in Rabbits, 1225
Cytochrome b_{558}-Dependent NAD(P)H Oxidase-Phox Units in Smooth Muscle and Macrophages of Atherosclerotic Lesions, 2037
Delineation of the Role of Pre-β_1-HDL in Cholesterol Efflux Using Isolated Pre-β_1-HDL, 1482
Dose-Dependent Regulation of NAD(P)H Oxidase Expression by Angiotensin II in Human Endothelial Cells: Protective Effect of

Angiotensin II Type 1 Receptor Blockade in Patients With Coronary Artery Disease, 1845
Effect of Estrogen Plus Progestin on Progression of Carotid Atherosclerosis in Postmenopausal Women With Heart Disease: HERS B-Mode Substudy, 1692
Elevated Serum C-Reactive Protein Levels and Early Arterial Changes in Healthy Children, 1323
Elevated Soluble Cellular Adhesion Molecules in Subjects With Low HDL-Cholesterol, 656
Endothelial Determinants of Dendritic Cell Adhesion and Migration: New Implications for Vascular Diseases, 1817
Enhanced Atherogenesis Is Not an Obligatory Response to Systemic Herpesvirus Infection in the ApoE-Deficient Mouse: Comparison of Murine γ-Herpesvirus-68 and Herpes Simplex Virus-1, 793
Experimental Rupture of Atherosclerotic Lesions Increases Distal Vascular Resistance: A Limiting Factor to the Success of Infarct Angioplasty, 153
Expression and Localization of Tissue Factor Pathway Inhibitor-2 in Normal and Atherosclerotic Human Vessels, 218
Expression of G2A, a Receptor for Lysophosphatidylcholine, by Macrophages in Murine, Rabbit, and Human Atherosclerotic Plaques, 2049
Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Is Induced Upon Monocyte Differentiation and Is Expressed in Human Atheroma, 1200
Fibrillar Collagen Regulation of Plasminogen Activator Inhibitor-1 Is Involved in Altered Smooth Muscle Cell Migration, 1573
Gene Expression Profiling of Apoptosis-Related Genes in Human Atherosclerosis: Upregulation of Death-Associated Protein Kinase, 2023
Homocysteine Binds to Human Plasma Fibronectin and Inhibits Its Interaction With Fibrin, 1354
3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase-Independent Inhibition of CD40 Expression by Atorvastatin in Human Endothelial Cells, 1784
Impaired Responsiveness to NO in Newly Diagnosed Patients With Rheumatoid Arthritis, 1637
In the Elderly, Interleukin-6 Plasma Levels and the −174G>C Polymorphism Are Associated With the Development of Cardiovascular Disease, 2066
Increased Atherosclerosis in Hyperlipidemic Mice With Inactivation of ABCA1 in Macrophages, 630
Increased Circulating Malondialdehyde-Modified LDL Levels in Patients With Coronary Artery Diseases and Their Association With Peak Sizes of LDL Particles, 662
Increased Intima-Media Thickness in Familial Combined Hyperlipidemia Associated With Apolipoprotein B, 283
Increased Monocyte Adhesion to Aortic Endothelium in Rats With Hyperhomocysteinemia: Role of Chemokine and Adhesion Molecules, 1777
Inflammation in Atherosclerosis: Lesion Formation in LDL Receptor-Deficient Mice With Perforin and *Lyst*^{beige} Mutations, 1341
Inflammatory Mediators and Cell Adhesion Molecules as Indicators of Severity of Atherosclerosis: The Rotterdam Study, 838
Inhibition of Accelerated Atherosclerosis in Vein Grafts by Placement of External Stent in ApoE*3-Leiden Transgenic Mice, 1433
Interferon-γ-Mediated Downregulation of Cholesterol Efflux and ABC1 Expression Is by the Stat1 Pathway, 744
Interleukin-4 Deficiency Decreases Atherosclerotic Lesion Formation in a Site-Specific Manner in Female LDL Receptor−/− Mice, 456
Interrelationships Among Circulating Interleukin-6, C-Reactive Protein, and Traditional Cardiovascular Risk Factors in Women, 1668
Lack of Plasminogen Activator Inhibitor-1 Promotes Growth and Abnormal Matrix Remodeling of Advanced Atherosclerotic Plaques in Apolipoprotein E-Deficient Mice, 499
Leukotriene B4 Receptor Antagonism Reduces Monocytic Foam Cells in Mice, 443
Life-Course Perspective on Socioeconomic Differences in Carotid Atherosclerosis, 1704
Local Overexpression of Monocyte Chemoattractant Protein-1 at Vessel Wall Induces Infiltration of Macrophages and Formation of Atherosclerotic Lesion: Synergism With Hypercholesterolemia, 115
Mechanical Stress Regulates Syndecan-4 Expression and Redistribution in Vascular Smooth Muscle Cells, 61
Mechanism of Accumulation of Cholesterol and Cholestanol in Tendons and the Role of Sterol 27-hydroxylase (CYP27A1), 1129
Monocyte Chemoattractant Protein-1 Induces Proliferation and Interleukin-6 Production in Human Smooth Muscle Cells by Differential Activation of Nuclear Factor-κB and Activator Protein-1, 914
MRI and Characterization of Atherosclerotic Plaque: Emerging Applications and Molecular Imaging, 1065
NO Attenuates Insulin Signaling and Motility in Aortic Smooth Muscle Cells via Protein Tyrosine Phosphatase 1B-Mediated Mechanism, 1086
Novel 5′ Exon of Scavenger Receptor CD36 Is Expressed in Cultured Human Vascular Smooth Muscle Cells and Atherosclerotic Plaques, 412
Oxidized Cholesteryl Linoleates Stimulate Endothelial Cells to Bind Monocytes via the Extracellular Signal-Regulated Kinase 1/2 Pathway, 581
Oxidized Membrane Vesicles and Blebs From Apoptotic Cells Contain Biologically Active Oxidized Phospholipids That Induce Monocyte-Endothelial Interactions, 101
Oxysterols: Friends, Foes, or Just Fellow Passengers?, 734
Peroxidase Properties of Extracellular Superoxide Dismutase: Role of Uric Acid in Modulating In Vivo Activity, 1402
Pleiotropic Actions of Peroxisome Proliferator-Activated Receptors in Lipid Metabolism and Atherosclerosis, 717
Postprandial Enrichment of Remnant Lipoproteins With ApoC-I in Healthy Normolipidemic Men With Early Asymptomatic Atherosclerosis, 1470
Production of the Long Pentraxin PTX3 in Advanced Atherosclerotic Plaques, 781
Progression of Atheroma: A Struggle Between Death and Procreation, 1370
Propagermanium Reduces Atherosclerosis in Apolipoprotein E Knockout Mice via Inhibition of Macrophage Infiltration, 969
Prospective Study of Effect of Androgens on Serum Inflammatory Markers in Men, 1136
Purinergic Signaling and Vascular Cell Proliferation and Death, 364
Quantitative Trait Loci and Candidate Genes Regulating HDL Cholesterol: A Murine Chromosome Map, 1390
Reversal of Thrombin-Induced Deactivation of CD39/ATPDase in Endothelial Cells by HMG-CoA Reductase Inhibition: Effects on Rho-GTPase and Adenosine Nucleotide Metabolism, 894
Role of Heat Shock Proteins in Atherosclerosis, 1547
Role of Src Homology 2-Containing Tyrosine Phosphatase 2 on Proliferation of Rat Smooth Muscle Cells, 1081
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194
Spontaneous Ischemic Events in the Brain and Heart Adapt the Hearts of Severely Atherosclerotic Mice to Ischemia, 995
Statins Reduce Inflammation in Atheroma of Nonhuman Primates Independent of Effects on Serum Cholesterol, 1452
Superoxide Generation in Directional Coronary Atherectomy Specimens of Patients With Angina Pectoris: Important Role of NAD(P)H Oxidase, 1838
Thrombospondin-1 Mediates Smooth Muscle Cell Proliferation Induced by Interaction With Human Platelets, 1286
Transforming Growth Factor-β Mediates Balance Between Inflammation and Fibrosis During Plaque Progression, 975
Transgenic Expression of Cholesterol-7-α-Hydroxylase Prevents Atherosclerosis in C57BL/6J Mice, 121
Val64Ile Polymorphism in the C-C Chemokine Receptor 2 Is Associated With Reduced Coronary Artery Calcification, 1924
Vascular Inflammation and the Renin-Angiotensin System, 1257
Vitamin C Protects Against Hypochlorous Acid-Induced Glutathione Depletion and DNA Base and Protein Damage in Human Vascular Smooth Muscle Cells, 574

Atorvastatin

Atorvastatin Preferentially Reduces LDL-Associated Platelet-Activating Factor Acetylhydrolase Activity in Dyslipidemias of Type IIA and Type IIB, 306
Intensive Lipid Lowering by Statin Therapy Does Not Improve Vasoreactivity in Patients With Type 2 Diabetes, 799

ATP
Purinergic Signaling and Vascular Cell Proliferation and Death, 364
ATP binding cassette transporter 1
ATP-Binding Cassette Transporter 1 Participates in LDL Oxidation by Artery Wall Cells, 1877
Opposite Effects of Plasma From Human Apolipoprotein A-II Transgenic Mice on Cholesterol Efflux From J774 Macrophages and Fu5AH Hepatoma Cells, 638
Augmentation index
Pulse-Wave Analysis: Clinical Evaluation of a Noninvasive, Widely Applicable Method for Assessing Endothelial Function, 147
Autoimmunity
Autoimmunity to Human Heat Shock Protein 60, *Chlamydia pneumoniae* Infection, and Inflammation in Predicting Coronary Risk, 431
Role of Heat Shock Proteins in Atherosclerosis, 1547

B

B cells
B-Lymphocyte Deficiency Increases Atherosclerosis in LDL Receptor-Null Mice, 1892
Inhibitory Effect on Arterial Injury-Induced Neointimal Formation by Adoptive B-Cell Transfer in Rag-1 Knockout Mice, 644
B vitamins
Total Homocysteine Lowering Treatment Among Coronary Artery Disease Patients in the Era of Folic Acid-Fortified Cereal Grain Flour, 488
B-lymphocyte deficiency
B-Lymphocyte Deficiency Increases Atherosclerosis in LDL Receptor-Null Mice, 1892
Baboons
Locus Controlling LDL Cholesterol Response to Dietary Cholesterol Is on Baboon Homologue of Human Chromosome 6, 1720
Balloon angioplasty
Beneficial Effects of NO-Releasing Derivative of Flurbiprofen (HCT-1026) in Rat Model of Vascular Injury and Restenosis, 263
Inflammation and Restenosis in the Stent Era, 1769
Balloon injury
Administration of Recombinant P-Selectin Glycoprotein Ligand Fc Fusion Protein Suppresses Inflammation and Neointimal Formation in Zucker Diabetic Rat Model, 1598
Beneficial Effects of Combined Blockade of ACE and AT_1 Receptor on Intimal Hyperplasia in Balloon-Injured Rat Artery, 1299
CCAAT/Enhancer-Binding Protein Decoy Oligodeoxynucleotide Inhibition of Macrophage-Rich Vascular Lesion Formation in Hypercholesterolemic Rabbits, 949
Prostacyclin Synthase Gene Transfer Modulates Cyclooxygenase-2-Derived Prostanoid Synthesis and Inhibits Neointimal Formation in Rat Balloon-Injured Arteries, 256
Upregulation of Nox-Based NAD(P)H Oxidases in Restenosis After Carotid Injury, 21
Basic fibroblast growth factor
Flow-Dependent Remodeling in the Carotid Artery of Fibroblast Growth Factor-2 Knockout Mice, 1100
Induction of Plasminogen Activator Inhibitor-1 in Endothelial Cells by Basic Fibroblast Growth Factor and Its Modulation by Fibric Acid, 855
Bcl-X
Insulin Inhibits Apoptosis of Macrophage Cell Line, THP-1 Cells, via Phosphatidylinositol-3-Kinase-Dependent Pathway, 380
Big mitogen-activated protein kinase 1
Activation of Big Mitogen-Activated Protein Kinase-1 Regulates Smooth Muscle Cell Replication, 394
Bile acid reabsorption
Inhibition of the Apical Sodium-Dependent Bile Acid Transporter Reduces LDL Cholesterol and ApoB by Enhanced Plasma Clearance of LDL ApoB, 1884
Bile acids
Transgenic Expression of Cholesterol-7-α-Hydroxylase Prevents Atherosclerosis in C57BL/6J Mice, 121
Bleeding time
Inhibition of Platelet Glycoprotein Ib, Glycoprotein IIb/IIIa, or Both by Monoclonal Antibodies Prevents Arterial Thrombosis in Baboons, 323
Pharmacokinetics and Pharmacodynamics of AJW200, a Humanized Monoclonal Antibody to von Willebrand Factor, in Monkeys, 187
Blood coagulation
Regulation of Functions of Vascular Wall Cells by Tissue Factor Pathway Inhibitor: Basic and Clinical Aspects, 539
Blood flow
Experimental Rupture of Atherosclerotic Lesions Increases Distal Vascular Resistance: A Limiting Factor to the Success of Infarct Angioplasty, 153
Blood pressure
Endothelial Dysfunction and Blood Pressure Variability in Selected Inbred Mouse Strains, 42
Blood vessels
Impaired Responsiveness to NO in Newly Diagnosed Patients With Rheumatoid Arthritis, 1637
Body mass index
Increased Intima-Media Thickness in Familial Combined Hyperlipidemia Associated With Apolipoprotein B, 283
Bone marrow
Improvement of Collateral Perfusion and Regional Function by Implantation of Peripheral Blood Mononuclear Cells Into Ischemic Hibernating Myocardium, 1804
Bone marrow transplantation
Atherosclerosis in C3H/HeJ Mice Reconstituted With Apolipoprotein E-Null Bone Marrow, 650
Interleukin-4 Deficiency Decreases Atherosclerotic Lesion Formation in a Site-Specific Manner in Female LDL Receptor−/− Mice, 456
Bradykinin
Ethnicity Affects Vasodilation, but Not Endothelial Tissue Plasminogen Activator Release, in Response to Bradykinin, 1023
Brain ischemia
Spontaneous Ischemic Events in the Brain and Heart Adapt the Hearts of Severely Atherosclerotic Mice to Ischemia, 995

C

C-C chemokine receptor 2
Propagermanium Reduces Atherosclerosis in Apolipoprotein E Knockout Mice via Inhibition of Macrophage Infiltration, 969
C-Jun
Effects of Dominant-Negative c-Jun on Platelet-Derived Growth Factor-Induced Vascular Smooth Muscle Cell Proliferation, 82
C-reactive protein
Association of C-Reactive Protein With Carotid Atherosclerosis in Men and Women: The Framingham Heart Study, 1662
Associations Between Cardiorespiratory Fitness and C-Reactive Protein in Men, 1869
C-Reactive Protein and Soluble Vascular Cell Adhesion Molecule-1 Are Associated With Elevated Urinary Albumin Excretion but Do Not Explain Its Link With Cardiovascular Risk, 593
C-Reactive Protein Relaxes Human Vessels In Vitro, 1865
Common Promoter Variant in Cyclooxygenase-2 Represses Gene Expression: Evidence of Role in Acute-Phase Inflammatory Response, 1631
Inflammatory Mediators and Cell Adhesion Molecules as Indicators of Severity of Atherosclerosis: The Rotterdam Study, 838
Interrelationships Among Circulating Interleukin-6, C-Reactive Protein, and Traditional Cardiovascular Risk Factors in Women, 1668
Production of the Long Pentraxin PTX3 in Advanced Atherosclerotic Plaques, 781
Calcium
Cyclic AMP Raises Intracellular Ca^{2+} in Human Megakaryocytes Independent of Protein Kinase A, 179
Fluid Shear Stress Activates Proline-Rich Tyrosine Kinase via Reactive Oxygen Species-Dependent Pathway, 1790
Calcium signaling
Chronic Exercise Improves Endothelial Calcium Signaling and Vasodilatation in Hypercholesterolemic Rabbit Femoral Artery, 1219
CAMP
cAMP Signal Transduction, A Potential Compensatory Pathway for Coronary Endothelial NO Production After Heart Failure, 1273
Cyclic AMP Raises Intracellular Ca^{2+} in Human Megakaryocytes Independent of Protein Kinase A, 179

Carboxypeptidase A
Activated Mast Cells Increase the Level of Endothelin-1 mRNA in Cocultured Endothelial Cells and Degrade the Secreted Peptide, 268
Cardiology
Factor V Leiden, Hormone Replacement Therapy, and Risk of Venous Thromboembolic Events in Women With Coronary Disease, 1012
Cardiomyocytes
Effect of Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling in Angiotensin II Type 2 Receptor Null Mice, 49
Cardiopulmonary bypass
Dose-Dependent Regulation of NAD(P)H Oxidase Expression by Angiotensin II in Human Endothelial Cells: Protective Effect of Angiotensin II Type 1 Receptor Blockade in Patients With Coronary Artery Disease, 1845
Cardiorespiratory fitness
Associations Between Cardiorespiratory Fitness and C-Reactive Protein in Men, 1869
Cardiovascular disease
Folates and Cardiovascular Disease, 6
Greater Oxidative Stress in Healthy Young Men Compared With Premenopausal Women, 438
HIV Protease Inhibitor Ritonavir Induces Cytotoxicity of Human Endothelial Cells, 1560
In the Elderly, Interleukin-6 Plasma Levels and the −174G>C Polymorphism Are Associated With the Development of Cardiovascular Disease, 2066
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852
Racial Differences in Coronary Artery Calcification in Older Adults, 424
Cardiovascular mortality
C-Reactive Protein and Soluble Vascular Cell Adhesion Molecule-1 Are Associated With Elevated Urinary Albumin Excretion but Do Not Explain Its Link With Cardiovascular Risk, 593
Cardiovascular risk
Folates and Cardiovascular Disease, 6
Carotid arteries
Association of C-Reactive Protein With Carotid Atherosclerosis in Men and Women: The Framingham Heart Study, 1662
Life-Course Perspective on Socioeconomic Differences in Carotid Atherosclerosis, 1704
Relation of Apo(a) Size to Carotid Atherosclerosis in an Elderly Multiethnic Population, 141
Carotid artery disease
Effect of Estrogen Plus Progestin on Progression of Carotid Atherosclerosis in Postmenopausal Women With Heart Disease: HERS B-Mode Substudy, 1692
Carotid artery structure and function
Heritability of Carotid Artery Structure and Function: The Strong Heart Family Study, 1698
Carotid endarterectomy
Oxidized LDL in Carotid Plaques and Plasma Associates With Plaque Instability, 1649
Carotid intima-media thickness
Population-Based Twin Study of the Effects of Migration From Finland to Sweden on Endothelial Function and Intima-Media Thickness, 832
Carotid stenosis
Association of C-Reactive Protein With Carotid Atherosclerosis in Men and Women: The Framingham Heart Study, 1662
Carotid wall thickness
Relationship Between Coronary Artery Calcification and Other Measures of Subclinical Cardiovascular Disease in Older Adults, 1674
Caspases
Progression of Atheroma: A Struggle Between Death and Procreation, 1370
Caudal artery
Connexin37 Is the Major Connexin Expressed in the Media of Caudal Artery, 1427
Caveolae
Cholesterol Depletion Disrupts Caveolae and Differentially Impairs Agonist-Induced Arterial Contraction, 1267
CCAAT/enhancer-binding protein
CCAAT/Enhancer-Binding Protein Decoy Oligodeoxynucleotide Inhibition of Macrophage-Rich Vascular Lesion Formation in Hypercholesterolemic Rabbits, 949
CD36
Novel 5′ Exon of Scavenger Receptor CD36 Is Expressed in Cultured Human Vascular Smooth Muscle Cells and Atherosclerotic Plaques, 412
CD40
3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase-Independent Inhibition of CD40 Expression by Atorvastatin in Human Endothelial Cells, 1784
CD44
Differential Accumulation of Proteoglycans and Hyaluronan in Culprit Lesions: Insights Into Plaque Erosion, 1642
Cdc42
Retarded Intracellular Lipid Transport Associated With Reduced Expression of Cdc42, a Member of Rho-GTPases, in Human Aged Skin Fibroblasts: A Possible Function of Cdc42 in Mediating Intracellular Lipid Transport, 1899
CDNA array
Expression Profiling Identifies 147 Genes Contributing to a Unique Primate Neointimal Smooth Muscle Cell Phenotype, 2010
Gene Expression Profiling of Apoptosis-Related Genes in Human Atherosclerosis: Upregulation of Death-Associated Protein Kinase, 2023
Cell adhesion molecules
Inflammatory Mediators and Cell Adhesion Molecules as Indicators of Severity of Atherosclerosis: The Rotterdam Study, 838
Cell cycle
Contribution of Double-Stranded RNA-Activated Protein Kinase Toward Antiproliferative Actions of Heparin on Vascular Smooth Muscle Cells, 1439
Cell migration
PI^A Polymorphism of Integrin β_3 Differentially Modulates Cellular Migration on Extracellular Matrix Proteins, 1984
Cell signaling
NO Attenuates Insulin Signaling and Motility in Aortic Smooth Muscle Cells via Protein Tyrosine Phosphatase 1B-Mediated Mechanism, 1086
Role of Isoprenylcysteine Carboxyl Methyltransferase in Tumor Necrosis Factor-α Stimulation of Expression of Vascular Cell Adhesion Molecule-1 in Endothelial Cells, 759
Ceramide
Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways, 1990
Cerebral circulation
T-786C Polymorphism in Endothelial NO Synthase Gene Affects Cerebral Circulation in Smokers: Possible Gene-Environmental Interaction, 605
Cerebral death
Adverse Event Associated With Methionine Loading Test: A Case Report, 1046
Cerebrotendinous xanthomatosis
Mechanism of Accumulation of Cholesterol and Cholestanol in Tendons and the Role of Sterol 27-hydroxylase (CYP27A1), 1129
CGMP
Inhibition of Platelet-Collagen Interaction: An In Vivo Action of Insulin Abolished by Insulin Resistance in Obesity, 167
CGP 42112
Angiotensin II Type 1 and 2 Receptors in Conduit Arteries of Normal Developing Microswine, 1113
Chédiak-Higashi syndrome
Inflammation in Atherosclerosis: Lesion Formation in LDL Receptor-Deficient Mice With Perforin and *Lyst*^{beige} Mutations, 1341
Chelation
Effect of Dexrazoxane on Homocysteine-Induced Endothelial Dysfunction in Normal Subjects, 1128
Chemokines
CCR2 Deficiency Decreases Intimal Hyperplasia After Arterial Injury, 554

Folic Acid Treatment Reduces Chemokine Release From Peripheral Blood Mononuclear Cells in Hyperhomocysteinemic Subjects, 699
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194
Sol Sherry Lecture in Thrombosis: Molecular Events in Acute Inflammation, 727
Val64Ile Polymorphism in the C-C Chemokine Receptor 2 Is Associated With Reduced Coronary Artery Calcification, 1924

Children
Impact of Dietary Intervention, Sex, and Apolipoprotein E Phenotype on Tracking of Serum Lipids and Apolipoproteins in 1- to 5-Year-Old Children: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 492

Chlamydia pneumoniae
Aspirin Inhibits *Chlamydia pneumoniae*-Induced Nuclear Factor-κB Activation, Cytokine Expression, and Bacterial Development in Human Endothelial Cells, 1075
Autoimmunity to Human Heat Shock Protein 60, *Chlamydia pneumoniae* Infection, and Inflammation in Predicting Coronary Risk, 431

Cholesterol
Cholesteryl Ester Transfer Protein Expressed in Lecithin Cholesterol Acyltransferase-Deficient Mice, 1347
Contribution of Hepatic Lipase, Lipoprotein Lipase, and Cholesteryl Ester Transfer Protein to LDL and HDL Heterogeneity in Healthy Women, 667
Cyclooxygenase-2-Dependent Prostacyclin Formation Is Regulated by Low Density Lipoprotein Cholesterol In Vitro, 983
Hypercholesterolemia Enhances Thromboembolism in Arterioles but Not Venules: Complete Reversal by L-Arginine, 680
Impact of Dietary Intervention, Sex, and Apolipoprotein E Phenotype on Tracking of Serum Lipids and Apolipoproteins in 1- to 5-Year-Old Children: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 492
Native LDL Upregulation of ATP-Binding Cassette Transporter-1 in Human Vascular Endothelial Cells, 127
Physical Activity May Modulate Effects of *ApoE* Genotype on Lipid Profile, 133
Pleiotropic Actions of Peroxisome Proliferator-Activated Receptors in Lipid Metabolism and Atherosclerosis, 717
Postprandial Enrichment of Remnant Lipoproteins With ApoC-I in Healthy Normolipidemic Men With Early Asymptomatic Atherosclerosis, 1470
Quantitative Trait Loci and Candidate Genes Regulating HDL Cholesterol: A Murine Chromosome Map, 1390
Quantitative Trait Loci Influencing Blood and Liver Cholesterol Concentration in Rats, 2072
Shear Stress Activation of SREBP1 in Endothelial Cells Is Mediated by Integrins, 76

Cholesterol 7α-hydroxylase
Inhibition of the Apical Sodium-Dependent Bile Acid Transporter Reduces LDL Cholesterol and ApoB by Enhanced Plasma Clearance of LDL ApoB, 1884
Transgenic Expression of Cholesterol-7-α-Hydroxylase Prevents Atherosclerosis in C57BL/6J Mice, 121

Cholesterol efflux
Delineation of the Role of Pre-β_1-HDL in Cholesterol Efflux Using Isolated Pre-β_1-HDL, 1482
Mast Cell Tryptase Degrades HDL and Blocks Its Function as an Acceptor of Cellular Cholesterol, 2086
Opposite Effects of Plasma From Human Apolipoprotein A-II Transgenic Mice on Cholesterol Efflux From J774 Macrophages and Fu5AH Hepatoma Cells, 638

Cholesterol ester
Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Is Induced Upon Monocyte Differentiation and Is Expressed in Human Atheroma, 1200

Cholesterol homeostasis
Oxysterols: Friends, Foes, or Just Fellow Passengers?, 734

Cholesteryl ester
Lipid Accumulation in Smooth Muscle Cells Under LDL Loading Is Independent of LDL Receptor Pathway and Enhanced by Hypoxic Conditions, 1712

Cholesteryl ester accumulation
Human Coronary Smooth Muscle Cells Internalize Versican-Modified LDL Through LDL Receptor-Related Protein and LDL Receptors, 387

Cholesteryl ester transfer protein
Cholesteryl Ester Transfer Protein Expressed in Lecithin Cholesterol Acyltransferase-Deficient Mice, 1347
Cholesteryl Ester Transfer Protein *Taq*I B2B2 Genotype Is Associated With Higher HDL Cholesterol Levels and Lower Risk of Coronary Heart Disease End Points in Men With HDL Deficiency: Veterans Affairs HDL Cholesterol Intervention Trial, 1148
Relationship Between Cholesteryl Ester Transfer Protein and Atherogenic Lipoprotein Profile in Morbidly Obese Women, 1465

Cholesteryl linoleate
Oxidized Cholesteryl Linoleates Stimulate Endothelial Cells to Bind Monocytes via the Extracellular Signal-Regulated Kinase 1/2 Pathway, 581

Chronic depolarization
Depolarization of Endothelial Cells Enhances Platelet Aggregation Through Oxidative Inactivation of Endothelial NTPDase, 2003

Chronic exercise
Chronic Exercise Improves Endothelial Calcium Signaling and Vasodilatation in Hypercholesterolemic Rabbit Femoral Artery, 1219

Chymase
Activated Mast Cells Increase the Level of Endothelin-1 mRNA in Cocultured Endothelial Cells and Degrade the Secreted Peptide, 268
Mast Cell Chymase Degrades ApoE and ApoA-II in ApoA-I-Knockout Mouse Plasma and Reduces Its Ability to Promote Cellular Cholesterol Efflux, 1475

Coagulation
Long Pentraxin PTX3 Upregulates Tissue Factor Expression in Human Endothelial Cells: A Novel Link Between Vascular Inflammation and Clotting Activation, 782
Platelets and Thrombin Generation, 1381

Collagen
Expression Profiling Identifies 147 Genes Contributing to a Unique Primate Neointimal Smooth Muscle Cell Phenotype, 2010
Increased Platelet-Collagen Interaction Associated With Double Homozygosity for Receptor Polymorphisms of Platelet GPIa and GPIIIa, 2093
The Influence of Platelet Collagen Receptor Polymorphisms in Hemostasis and Thrombotic Disease, 14
Inhibition of Platelet-Collagen Interaction: An In Vivo Action of Insulin Abolished by Insulin Resistance in Obesity, 167
Lack of Plasminogen Activator Inhibitor-1 Promotes Growth and Abnormal Matrix Remodeling of Advanced Atherosclerotic Plaques in Apolipoprotein E-Deficient Mice, 499
Role of ADP Receptor $P2Y_{12}$ in Platelet Adhesion and Thrombus Formation in Flowing Blood, 686

Collagen (type I)
Thrombospondin-1 Mediates Smooth Muscle Cell Proliferation Induced by Interaction With Human Platelets, 1286

Collar model
Fluvastatin Reduces Tissue Factor Expression and Macrophage Accumulation in Carotid Lesions of Cholesterol-Fed Rabbits in the Absence of Lipid Lowering, 692

Combination therapy
Beneficial Effects of Combined Blockade of ACE and AT_1 Receptor on Intimal Hyperplasia in Balloon-Injured Rat Artery, 1299

Complement C3, secretory granules
The Von Willebrand Factor Propeptide (VWFpp) Traffics an Unrelated Protein to Storage, 921

Complement component 3
Delayed and Exaggerated Postprandial Complement Component 3 Response in Familial Combined Hyperlipidemia, 811

Complex phenotype
Postprandial Plasma ApoB-48 Levels Are Influenced by a Polymorphism in the Promoter of the Microsomal Triglyceride Transfer Protein Gene, 289

Connexin
Altered Pattern of Vascular Connexin Expression in Atherosclerotic Plaques, 225
Connexin37 Is the Major Connexin Expressed in the Media of Caudal Artery, 1427

Constrictive remodeling
Metalloproteinase Inhibition and the Response to Angioplasty and Stenting in Atherosclerotic Primates, 161
Context dependency
Impact of Alcohol Intake on Measures of Lipid Metabolism Depends on Context Defined by Gender, Body Mass Index, Cigarette Smoking, and *Apolipoprotein E* Genotype, 824
Coronary arteries
Effect of Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling in Angiotensin II Type 2 Receptor Null Mice, 49
Coronary artery bypass graft surgery
Common Promoter Variant in Cyclooxygenase-2 Represses Gene Expression: Evidence of Role in Acute-Phase Inflammatory Response, 1631
Coronary artery calcification
Autosomal Genome-Wide Scan for Coronary Artery Calcification Loci in Sibships at High Risk for Hypertension, 418
Racial Differences in Coronary Artery Calcification in Older Adults, 424
Relationship Between Coronary Artery Calcification and Other Measures of Subclinical Cardiovascular Disease in Older Adults, 1674
Val64Ile Polymorphism in the C-C Chemokine Receptor 2 Is Associated With Reduced Coronary Artery Calcification, 1924
Coronary artery disease
Association of Estrogen Receptor-α Gene Polymorphisms With Coronary Artery Disease in Patients With Familial Hypercholesterolemia, 817
Autosomal Genome-Wide Scan for Coronary Artery Calcification Loci in Sibships at High Risk for Hypertension, 418
Increased Circulating Malondialdehyde-Modified LDL Levels in Patients With Coronary Artery Diseases and Their Association With Peak Sizes of LDL Particles, 662
Increased Serum Homocysteine and Sudden Death Resulting from Coronary Atherosclerosis With Fibrous Plaques, 1936
Tissue Plasminogen Activator, Fibrin D-Dimer, and Insulin Resistance in the Relatives of Patients With Premature Coronary Artery Disease, 704
Coronary blood vessel
cAMP Signal Transduction, A Potential Compensatory Pathway for Coronary Endothelial NO Production After Heart Failure, 1273
Coronary capillary network
In Vivo Estrogen Manipulations on Coronary Capillary Network and Angiogenic Molecule Expression in Middle-Aged Female Rats, 1591
Coronary disease
Genome-Wide Linkage Analysis of the Acute Coronary Syndrome Suggests a Locus on Chromosome 2, 874
Heme Oxygenase-1 Gene Promoter Polymorphism Is Associated With Coronary Artery Disease in Japanese Patients With Coronary Risk Factors, 1680
Remodeling of Small Intramyocardial Coronary Arteries Distal to a Severe Epicardial Coronary Artery Stenosis, 2059
Superoxide Generation in Directional Coronary Atherectomy Specimens of Patients With Angina Pectoris: Important Role of NAD(P)H Oxidase, 1838
Coronary heart disease
Cholesteryl Ester Transfer Protein *Taq*I B2B2 Genotype Is Associated With Higher HDL Cholesterol Levels and Lower Risk of Coronary Heart Disease End Points in Men With HDL Deficiency: Veterans Affairs HDL Cholesterol Intervention Trial, 1148
Factor XIIIA Val34Leu Polymorphism Does Not Predict Risk of Coronary Heart Disease: The Atherosclerosis Risk in Communities (ARIC) Study, 348
Hemostatic Factors as Predictors of Coronary Events and Total Mortality: The FINRISK '92 Hemostasis Study, 353
Heritability of Subclinical Atherosclerosis in Latino Families Ascertained Through a Hypertensive Parent, 843
Interleukin-6 −174G>C Polymorphism and Risk of Coronary Heart Disease in West of Scotland Coronary Prevention Study (WOSCOPS), 599
Val64Ile Polymorphism in the C-C Chemokine Receptor 2 Is Associated With Reduced Coronary Artery Calcification, 1924
Value of HDL Cholesterol, Apolipoprotein A-I, Lipoprotein A-I, and Lipoprotein A-I/A-II in Prediction of Coronary Heart Disease: The PRIME Study, 1155
Coronary resistance artery
Hyperhomocysteinemia Evoked by Folate Depletion: Effects on Coronary and Carotid Arterial Function, 772
Cross-sectional studies
T-786C Polymorphism in Endothelial NO Synthase Gene Affects Cerebral Circulation in Smokers: Possible Gene-Environmental Interaction, 605
Culprit plaques
Differential Accumulation of Proteoglycans and Hyaluronan in Culprit Lesions: Insights Into Plaque Erosion, 1642
Curcuma longa
Curcuma longa Extract Supplementation Reduces Oxidative Stress and Attenuates Aortic Fatty Streak Development in Rabbits, 1225
Cyclic flow reductions
Inhibition of Platelet Glycoprotein Ib, Glycoprotein IIb/IIIa, or Both by Monoclonal Antibodies Prevents Arterial Thrombosis in Baboons, 323
Cyclins
Activation of Big Mitogen-Activated Protein Kinase-1 Regulates Smooth Muscle Cell Replication, 394
Cyclooxygenase
Cyclooxygenase-2-Dependent Prostacyclin Formation Is Regulated by Low Density Lipoprotein Cholesterol In Vitro, 983
Homocysteine Upregulates Vascular Cell Adhesion Molecule-1 Expression in Cultured Human Aortic Endothelial Cells and Enhances Monocyte Adhesion, 587
Inhibition of Renin-Angiotensin System Ameliorates Endothelial Dysfunction Associated With Aging in Rats, 1445
Cyclooxygenase-2
Common Promoter Variant in Cyclooxygenase-2 Represses Gene Expression: Evidence of Role in Acute-Phase Inflammatory Response, 1631
Prostacyclin Synthase Gene Transfer Modulates Cyclooxygenase-2-Derived Prostanoid Synthesis and Inhibits Neointimal Formation in Rat Balloon-Injured Arteries, 256
Transcriptional and Posttranscriptional Regulation of Cyclooxygenase-2 Expression by Fluid Shear Stress in Vascular Endothelial Cells, 1415
CYP27A1
Oxysterols: Friends, Foes, or Just Fellow Passengers?, 734
CYP46
Oxysterols: Friends, Foes, or Just Fellow Passengers?, 734
CYP7A1
Oxysterols: Friends, Foes, or Just Fellow Passengers?, 734
Cyr61
Plasmin Induces *Cyr61* Gene Expression in Fibroblasts Via Protease-Activated Receptor-1 and p44/42 Mitogen-Activated Protein Kinase-Dependent Signaling Pathway, 1421
Cytokines
Cytochrome b_{558}-Dependent NAD(P)H Oxidase-Phox Units in Smooth Muscle and Macrophages of Atherosclerotic Lesions, 2037
Increased Monocyte Adhesion to Aortic Endothelium in Rats With Hyperhomocysteinemia: Role of Chemokine and Adhesion Molecules, 1777
Progression of Atheroma: A Struggle Between Death and Procreation, 1370
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194
Cytotoxicity
HIV Protease Inhibitor Ritonavir Induces Cytotoxicity of Human Endothelial Cells, 1560

D

Death-associated protein kinase
Gene Expression Profiling of Apoptosis-Related Genes in Human Atherosclerosis: Upregulation of Death-Associated Protein Kinase, 2023

Decoy oligodeoxynucleotides
CCAAT/Enhancer-Binding Protein Decoy Oligodeoxynucleotide Inhibition of Macrophage-Rich Vascular Lesion Formation in Hypercholesterolemic Rabbits, 949
Defects
Characterization of LDL Particle Size Among Carriers of a Defective or a Null Mutation in the Lipoprotein Lipase Gene: The Québec LIPD Study, 1181
Dendritic cells
RANK Ligand and Osteoprotegerin: Paracrine Regulators of Bone Metabolism and Vascular Function, 549
Developing aorta
Angiotensin II Type 1 and 2 Receptors in Conduit Arteries of Normal Developing Microswine, 1113
Diabetes
Increased Serum Homocysteine and Sudden Death Resulting from Coronary Atherosclerosis With Fibrous Plaques, 1936
Diabetes mellitus
Administration of Recombinant P-Selectin Glycoprotein Ligand Fc Fusion Protein Suppresses Inflammation and Neointimal Formation in Zucker Diabetic Rat Model, 1598
Transvascular Low-Density Lipoprotein Transport in Patients With Diabetes Mellitus (Type 2): A Noninvasive In Vivo Isotope Technique, 1168
Diagnosis
Diagnosis of Familial Combined Hyperlipidemia Based on Lipid Phenotype Expression in 32 Families: Results of a 5-Year Follow-Up Study, 274
Diet
Impact of Dietary Intervention, Sex, and Apolipoprotein E Phenotype on Tracking of Serum Lipids and Apolipoproteins in 1- to 5-Year-Old Children: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 492
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852
Locus Controlling LDL Cholesterol Response to Dietary Cholesterol Is on Baboon Homologue of Human Chromosome 6, 1720
Dietary casein
Alcohol-Extracted, but Not Intact, Dietary Soy Protein Lowers Lipoprotein(a) Markedly, 312
Dietary intake
Higher Usual Dietary Intake of Phytoestrogens Is Associated With Lower Aortic Stiffness in Postmenopausal Women, 1316
Dietary soy protein
Alcohol-Extracted, but Not Intact, Dietary Soy Protein Lowers Lipoprotein(a) Markedly, 312
Differential mRNA display
Identification of a Zinc Finger Homoeodomain Enhancer Protein After AT_2 Receptor Stimulation by Differential mRNA Display, 231
Differentiation
Semicarbazide-Sensitive Amine Oxidase in Vascular Smooth Muscle Cells: Differentiation-Dependent Expression and Role in Glucose Uptake, 89
Stromal Cells Are the Main Plasminogen Activator Inhibitor-1-Producing Cells in Human Fat: Evidence of Differences Between Visceral and Subcutaneous Deposits, 173
Disturbed coronary flow
Coronary Flow Velocity and Disturbed Flow Predict Adverse Clinical Outcome After Coronary Angioplasty, 1334
DNA
Vitamin C Protects Against Hypochlorous Acid-Induced Glutathione Depletion and DNA Base and Protein Damage in Human Vascular Smooth Muscle Cells, 574
DNA bank
Postprandial Plasma ApoB-48 Levels Are Influenced by a Polymorphism in the Promoter of the Microsomal Triglyceride Transfer Protein Gene, 289
Dominant mutants
Activation of Big Mitogen-Activated Protein Kinase-1 Regulates Smooth Muscle Cell Replication, 394
Drug
Propagermanium Reduces Atherosclerosis in Apolipoprotein E Knockout Mice via Inhibition of Macrophage Infiltration, 969
Dyslipidemia
Intensive Lipid Lowering by Statin Therapy Does Not Improve Vasoreactivity in Patients With Type 2 Diabetes, 799

E

E-selectin
Elevated Soluble Cellular Adhesion Molecules in Subjects With Low HDL-Cholesterol, 656
Echocardiography
Aortic Constriction Exacerbates Atherosclerosis and Induces Cardiac Dysfunction in Mice Lacking Apolipoprotein E, 469
Genetic Influences on Aortic Root Size in American Indians: The Strong Heart Study, 1008
Ectonucleotidases
Depolarization of Endothelial Cells Enhances Platelet Aggregation Through Oxidative Inactivation of Endothelial NTPDase, 2003
Editorials
A Simple Experiment and a Weakening Paradigm: The Contribution of Blood to Propensity for Thrombus Formation, 1369
Aortic Aneurysms: It's All About the Stress, 1948
Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 2
Association Studies of Vascular Phenotypes: How and Why?, 1055
ATVB In Focus: A New Series of Focused Brief Reviews in *Arteriosclerosis, Thrombosis, and Vascular Biology*, 1064
The B Cell: A Good Guy in Vascular Disease?, 523
Breaking the Plaque: Evidence for Plaque Rupture in Animal Models of Atherosclerosis, 713
C-Reactive Protein, Subclinical Atherosclerosis, and Risk of Cardiovascular Events, 1512
Can We Image the "Active" Thrombus?, 1753
Comparative Genetics of Atherosclerosis and Restenosis: Exploration With Mouse Models, 884
Coronary Calcium, Race, and Genes, 359
Cyclooxygenase-2 Polymorphism: Putting a Brake on the Inflammatory Response to Vascular Injury?, 1516
Do Natural Killer Cells Participate in a Killer Vascular Disease?, 1251
Do PAI-1 and Vitronectin Promote or Inhibit Neointima Formation? The Exact Role of the Fibrinolytic System in Vascular Remodeling Remains Uncertain, 1943
Effects of Inflammation on High-Density Lipoproteins, 1062
Extracellular Mediators in Atherosclerosis and Thrombosis, 1256
Genetic Association Studies, 1054
HIV Therapies and Atherosclerosis: Answers or Questions?, 1758
Hormone Replacement Therapy and the Factor V Leiden Mutation, 879
The Hunt for Nutritional and Pharmacological Modulators of Paraoxonase, 1248
Inflammation in Cardiovascular Disease: Cart, Horse or Both-Revisited, 1514
Leukocyte Recruitment Into Developing Atherosclerotic Lesions: The Complex Interaction Between Multiple Molecules Keeps Getting More Complex, 361
Lysyl Oxidase: New Looks on LOX, 1365
Microarray Analysis of Neointima: Flowing Toward a Clear Future, 1946
Multiple Signaling Pathways in Flow-Mediated Endothelial Mechanotransduction: PYK-ing the Right Location, 1755
Noninvasive Assessment of Atherosclerosis-From Structure to Function, 1064
Nox Response to Injury, 4
Oxidative Stress and Coronary Plaque Stability, 1751
Oxidized LDL Autoantibodies, Endothelial Dysfunction, and Transplant-Associated Arteriosclerosis, 1950
PAI-1 and Cellular Migration: Dabbling in Paradox, 1522
Phytoestrogens and Cardiovascular Disease: Where's the Meat?, 1245
Pleiotropic Effects of Chemokines in Vascular Lesion Development, 528
Progress Report, *Arteriosclerosis, Thrombosis, and Vascular Biology*: July 2002, 1053
PTEN-uating Restenosis, 715
Re-endothelialization Via Bone Marrow-Derived Progenitor Cells: Still Another Target of Statins in Vascular Disease, 1509
Role of Soy Protein in Cholesterol-Lowering: How Good Is It?, 1743
Sepiapterin Treatment in Atherosclerosis, 1519

SNP Judgments and Freedom of Association, 1058
Therapeutic Angiogenesis: New Indication for Endothelial NO Synthase Gene Transfer, 1254
Toward Understanding of Extracellular Superoxide Dismutase Regulation in Atherosclerosis: A Novel Role of Uric Acid?, 1367
Uncoupling Metabolism and Coupling Leptin to Cardiovascular Disease, 881
Unraveling Pleiotropic Effects of Statins on Plaque Rupture, 1745
When Sleeping Beauty Turns Ugly: Mitochondria in Hypoxia, 525

Elderly
In the Elderly, Interleukin-6 Plasma Levels and the −174G>C Polymorphism Are Associated With the Development of Cardiovascular Disease, 2066
Racial Differences in Coronary Artery Calcification in Older Adults, 424

Electron beam computed tomography
Autosomal Genome-Wide Scan for Coronary Artery Calcification Loci in Sibships at High Risk for Hypertension, 418

Elevated urinary albumin excretion rate
C-Reactive Protein and Soluble Vascular Cell Adhesion Molecule-1 Are Associated With Elevated Urinary Albumin Excretion but Do Not Explain Its Link With Cardiovascular Risk, 593

ELISA
Increased Circulating Malondialdehyde-Modified LDL Levels in Patients With Coronary Artery Diseases and Their Association With Peak Sizes of LDL Particles, 662

EMMPRIN (extracellular matrix metalloproteinase inducer)
Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Is Induced Upon Monocyte Differentiation and Is Expressed in Human Atheroma, 1200

Endothelial
Cyclooxygenase-2-Dependent Prostacyclin Formation Is Regulated by Low Density Lipoprotein Cholesterol In Vitro, 983

Endothelial cell function
Analysis of Coagulation Cascade and Endothelial Cell Activation During Inhibition of Vascular Endothelial Growth Factor/Vascular Endothelial Growth Factor Receptor Pathway in Cancer Patients, 1500

Endothelial cells
Different Effects of High and Low Shear Stress on Platelet-Derived Growth Factor Isoform Release by Endothelial Cells: Consequences for Smooth Muscle Cell Migration, 405
Heterogeneity of Smooth Muscle Cell Populations Cultured From Pig Coronary Artery, 1093
HIV Protease Inhibitor Ritonavir Induces Cytotoxicity of Human Endothelial Cells, 1560
3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase-Independent Inhibition of CD40 Expression by Atorvastatin in Human Endothelial Cells, 1784
Long Pentraxin PTX3 Upregulates Tissue Factor Expression in Human Endothelial Cells: A Novel Link Between Vascular Inflammation and Clotting Activation, 782
Low Density Lipoproteins Downregulate Lysyl Oxidase in Vascular Endothelial Cells and the Arterial Wall, 1409
Native LDL Upregulation of ATP-Binding Cassette Transporter-1 in Human Vascular Endothelial Cells, 127
Oxidized Cholesteryl Linoleates Stimulate Endothelial Cells to Bind Monocytes via the Extracellular Signal-Regulated Kinase 1/2 Pathway, 581
Oxidized Membrane Vesicles and Blebs From Apoptotic Cells Contain Biologically Active Oxidized Phospholipids That Induce Monocyte-Endothelial Interactions, 101
Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions, 1824
Phospholipid-Binding Domain of Factor VIII Is Involved in Endothelial Cell-Mediated Activation of Factor X by Factor IXa, 511
Pulsatile Flow-Induced Angiogenesis: Role of G_i Subunits, 1610
Shear Stress Activation of SREBP1 in Endothelial Cells Is Mediated by Integrins, 76
Shear Stress Induces Expression of Vascular Endothelial Growth Factor Receptor Flk-1/KDR Through the CT-Rich Sp1 Binding Site, 907
Shear Stress-Induced Endothelial Cell Migration Involves Integrin Signaling Via the Fibronectin Receptor Subunits α_5 and β_1, 69
Tumor Necrosis Factor-α Inhibits Growth Factor-Mediated Cell Proliferation Through SHP-1 Activation in Endothelial Cells, 238

Endothelial function
Angiotensin II Type 1 Receptor Antagonism Improves Hypercholesterolemia-Associated Endothelial Dysfunction, 1208
Cellular Redox State and Endothelial Dysfunction in Mildly Hyperhomocysteinemic Cystathionine β-Synthase-Deficient Mice, 34
Comparative Effects of Diet and Statin on NO Bioactivity and Matrix Metalloproteinases in Hypercholesterolemic Patients With Coronary Artery Disease, 1451
Elevated Serum C-Reactive Protein Levels and Early Arterial Changes in Healthy Children, 1323
Pulse-Wave Analysis: Clinical Evaluation of a Noninvasive, Widely Applicable Method for Assessing Endothelial Function, 147

Endothelial NO synthase
Gene Transfer of Endothelial NO Synthase and Manganese Superoxide Dismutase on Arterial Vascular Cell Adhesion Molecule-1 Expression and Superoxide Production in Deoxycorticosterone Acetate-Salt Hypertension, 249
Haplotype-Specific Effects on Endothelial NO Synthase Promoter Efficiency: Modifiable by Cigarette Smoking, 743
Human Endothelial Nitric Oxide Synthase Gene Delivery Promotes Angiogenesis in a Rat Model of Hindlimb Ischemia, 1279
Quantification of mRNA for Endothelial NO Synthase in Mouse Blood Vessels by Real-Time Polymerase Chain Reaction, 611

Endothelial progenitor cells
Bone Marrow-Derived Progenitor Cells Modulate Vascular Reendothelialization and Neointimal Formation: Effect of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibition, 1567

Endothelin
Cholesterol Depletion Disrupts Caveolae and Differentially Impairs Agonist-Induced Arterial Contraction, 1267
Combined Endothelin Receptor Blockade Evokes Enhanced Vasodilatation in Patients With Atherosclerosis, 674

Endothelin-1
Activated Mast Cells Increase the Level of Endothelin-1 mRNA in Cocultured Endothelial Cells and Degrade the Secreted Peptide, 268
CCAAT/Enhancer-Binding Protein Decoy Oligodeoxynucleotide Inhibition of Macrophage-Rich Vascular Lesion Formation in Hypercholesterolemic Rabbits, 949

Endothelin-converting enzyme
Saphenous Vein Endothelin System Expression and Activity in African American Patients, 1122

Endothelium
Activated Mast Cells Increase the Level of Endothelin-1 mRNA in Cocultured Endothelial Cells and Degrade the Secreted Peptide, 268
Altered Pattern of Vascular Connexin Expression in Atherosclerotic Plaques, 225
Altered Tetrahydrobiopterin Metabolism in Atherosclerosis: Implications for Use of Oxidized Tetrahydrobiopterin Analogues and Thiol Antioxidants, 1655
Bone Marrow-Derived Progenitor Cells Modulate Vascular Reendothelialization and Neointimal Formation: Effect of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibition, 1567
Circulating Autoantibodies to Oxidized LDL Correlate With Impaired Coronary Endothelial Function After Cardiac Transplantation, 2044
Connexin37 Is the Major Connexin Expressed in the Media of Caudal Artery, 1427
Deficiency of Glutathione Peroxidase-1 Sensitizes Hyperhomocysteinemic Mice to Endothelial Dysfunction, 1996
Depolarization of Endothelial Cells Enhances Platelet Aggregation Through Oxidative Inactivation of Endothelial NTPDase, 2003
Dose-Dependent Regulation of NAD(P)H Oxidase Expression by Angiotensin II in Human Endothelial Cells: Protective Effect of Angiotensin II Type 1 Receptor Blockade in Patients With Coronary Artery Disease, 1845
Endothelial Dysfunction and Blood Pressure Variability in Selected Inbred Mouse Strains, 42
Estrogen Regulation of Endothelial and Smooth Muscle Cell Migration and Proliferation: Role of p38 and p42/44 Mitogen-Activated Protein Kinase, 1585

Ethnicity Affects Vasodilation, but Not Endothelial Tissue Plasminogen Activator Release, in Response to Bradykinin, 1023
Excessive Microvascular Adaptation to Changes in Blood Flow in Mice Lacking Gene Encoding for Desmin, 1579
Folates and Cardiovascular Disease, 6
Induction of Plasminogen Activator Inhibitor-1 in Endothelial Cells by Basic Fibroblast Growth Factor and Its Modulation by Fibric Acid, 855
Opposing Functions of the Ets Factors NERF and ELF-1 During Chicken Blood Vessel Development, 1106
Vascular Endothelial Growth Factor Induces Shc Association With Vascular Endothelial Cadherin: A Potential Feedback Mechanism to Control Vascular Endothelial Growth Factor Receptor-2 Signaling, 617

Endothelium-dependent relaxation
Inhibition of Renin-Angiotensin System Ameliorates Endothelial Dysfunction Associated With Aging in Rats, 1445

Endothelium-derived contracting factors
Inhibition of Renin-Angiotensin System Ameliorates Endothelial Dysfunction Associated With Aging in Rats, 1445

Energy expenditure
Physical Activity May Modulate Effects of *ApoE* Genotype on Lipid Profile, 133

Energy metabolism
Respiratory Uncoupling Lowers Blood Pressure Through a Leptin-Dependent Mechanism in Genetically Obese Mice, 961

Epidemiology
Blood Pressure Increase and Incidence of Hypertension in Relation to Inflammation-Sensitive Plasma Proteins, 2054
Genetic Influences on Aortic Root Size in American Indians: The Strong Heart Study, 1008

Epidermal growth factor
Tumor Necrosis Factor-α Inhibits Growth Factor-Mediated Cell Proliferation Through SHP-1 Activation in Endothelial Cells, 238

Epithelial growth factor receptor
Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways, 1990

17β-Estradiol
Estrogen Regulation of Endothelial and Smooth Muscle Cell Migration and Proliferation: Role of p38 and p42/44 Mitogen-Activated Protein Kinase, 1585

Estrogen
In Vivo Estrogen Manipulations on Coronary Capillary Network and Angiogenic Molecule Expression in Middle-Aged Female Rats, 1591
Nonnuclear Actions of Estrogen, 1952
Prospective Study of Effect of Androgens on Serum Inflammatory Markers in Men, 1136

Estrogen receptors
Association of Estrogen Receptor-α Gene Polymorphisms With Coronary Artery Disease in Patients With Familial Hypercholesterolemia, 817
The Atheroprotective Effect of Dietary Soy Isoflavones in Apolipoprotein E−/− Mice Requires the Presence of Estrogen Receptor-α, 1859
Nonnuclear Actions of Estrogen, 1952

Ethnicity
Ethnicity Affects Vasodilation, but Not Endothelial Tissue Plasminogen Activator Release, in Response to Bradykinin, 1023

Exercise
Physical Activity May Modulate Effects of *ApoE* Genotype on Lipid Profile, 133
Tissue Plasminogen Activator, Fibrin D-Dimer, and Insulin Resistance in the Relatives of Patients With Premature Coronary Artery Disease, 704

External stent
Inhibition of Accelerated Atherosclerosis in Vein Grafts by Placement of External Stent in ApoE*3-Leiden Transgenic Mice, 1433

Extracellular matrix
Fibrillar Collagen Regulation of Plasminogen Activator Inhibitor-1 Is Involved in Altered Smooth Muscle Cell Migration, 1573
Lipoprotein Lipase in the Arterial Wall: Linking LDL to the Arterial Extracellular Matrix and Much More, 211

Extracellular signal-regulated kinase
Growth Factors Enhance Interleukin-1β-Induced Persistent Activation of Nuclear Factor-κB in Rat Vascular Smooth Muscle Cells, 1811
Lysophosphatidylcholine Activates Extracellular Signal-Regulated Kinases 1/2 Through Reactive Oxygen Species in Rat Vascular Smooth Muscle Cells, 752

F

Factor IX
A Human Antibody That Inhibits Factor IX/IXa Function Potently Inhibits Arterial Thrombosis Without Increasing Bleeding, 517

Factor V
Factor V and Thrombotic Disease: Description of a Janus-Faced Protein, 530

Factor VIIa
Antithrombotic Effect of Tissue Factor Inhibition by Inactivated Factor VIIa: An Ex Vivo Human Study, 1036

Factor VIII
Amount of *H* Antigen Expressed on Circulating von Willebrand Factor Is Modified by ABO Blood Group Genotype and Is a Major Determinant of Plasma von Willebrand Factor Antigen Levels, 335
Phospholipid-Binding Domain of Factor VIII Is Involved in Endothelial Cell-Mediated Activation of Factor X by Factor IXa, 511

Factor V_{Leiden}
Factor V and Thrombotic Disease: Description of a Janus-Faced Protein, 530

Factor X activation
Phospholipid-Binding Domain of Factor VIII Is Involved in Endothelial Cell-Mediated Activation of Factor X by Factor IXa, 511

Factor XIII
Factor XIIIA Val34Leu Polymorphism Does Not Predict Risk of Coronary Heart Disease: The Atherosclerosis Risk in Communities (ARIC) Study, 348

Factor XIIIA Val34Leu polymorphism
Factor XIIIA Val34Leu Polymorphism Does Not Predict Risk of Coronary Heart Disease: The Atherosclerosis Risk in Communities (ARIC) Study, 348

Familial combined hyperlipidemia
Delayed and Exaggerated Postprandial Complement Component 3 Response in Familial Combined Hyperlipidemia, 811
Diagnosis of Familial Combined Hyperlipidemia Based on Lipid Phenotype Expression in 32 Families: Results of a 5-Year Follow-Up Study, 274

Familial hypercholesterolemia
Normal Production Rate of Apolipoprotein B in LDL Receptor-Deficient Mice, 989

Familial hypobetalipoproteinemia
Hepatic Fatty Acid Synthesis Is Suppressed in Mice With Fatty Livers Due to Targeted Apolipoprotein B38.9 Mutation, 476

Families
Genetic Contribution to Circulating Levels of Hemostatic Factors in Healthy Families With Effects of Known Genetic Polymorphisms on Heritability, 506

Family history
Tissue Plasminogen Activator, Fibrin D-Dimer, and Insulin Resistance in the Relatives of Patients With Premature Coronary Artery Disease, 704

Fas
Human Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis Requires NO Enhancement of Fas/Fas-L Interactions, 1624

Fatty acid synthesis
Hepatic Fatty Acid Synthesis Is Suppressed in Mice With Fatty Livers Due to Targeted Apolipoprotein B38.9 Mutation, 476

Fatty acid-binding protein
Adipocyte Fatty Acid-Binding Protein, aP2, Alters Late Atherosclerotic Lesion Formation in Severe Hypercholesterolemia, 1686

Fatty liver
Hepatic Fatty Acid Synthesis Is Suppressed in Mice With Fatty Livers Due to Targeted Apolipoprotein B38.9 Mutation, 476

Fatty streak
Curcuma longa Extract Supplementation Reduces Oxidative Stress and Attenuates Aortic Fatty Streak Development in Rabbits, 1225

Resistance to Neointimal Hyperplasia and Fatty Streak Formation in Mice With Adrenomedullin Overexpression, 1310

Fibric acid
Induction of Plasminogen Activator Inhibitor-1 in Endothelial Cells by Basic Fibroblast Growth Factor and Its Modulation by Fibric Acid, 855

Fibrin
Antithrombotic Effect of Tissue Factor Inhibition by Inactivated Factor VIIa: An Ex Vivo Human Study, 1036
Homocysteine Binds to Human Plasma Fibronectin and Inhibits Its Interaction With Fibrin, 1354

Fibrin affinity
Lp(a) Particles Mold Fibrin-Binding Properties of Apo(a) in Size-Dependent Manner: A Study With Different-Length Recombinant Apo(a), Native Lp(a), and Monoclonal Antibody, 1232

Fibrin surfaces
Lp(a) Particles Mold Fibrin-Binding Properties of Apo(a) in Size-Dependent Manner: A Study With Different-Length Recombinant Apo(a), Native Lp(a), and Monoclonal Antibody, 1232

Fibrinogen
Elevated Fibrinogen and Homocysteine Levels Enhance the Risk of Mortality in Patients From a High-Risk Preventive Cardiology Clinic, 1042
Hemostatic Factors as Predictors of Coronary Events and Total Mortality: The FINRISK '92 Hemostasis Study, 353
Role of ADP Receptor $P2Y_{12}$ in Platelet Adhesion and Thrombus Formation in Flowing Blood, 686

Fibrinolysis
Ethnicity Affects Vasodilation, but Not Endothelial Tissue Plasminogen Activator Release, in Response to Bradykinin, 1023
Plasma Thrombin-Activatable Fibrinolysis Inhibitor Antigen Concentration and Genotype in Relation to Myocardial Infarction in the North and South of Europe, 867
Stromal Cells Are the Main Plasminogen Activator Inhibitor-1-Producing Cells in Human Fat: Evidence of Differences Between Visceral and Subcutaneous Deposits, 173

Fibroblast
The Reactive Adventitia: Fibroblast Oxidase in Vascular Function, 1962

Fibroblast growth factor-2
Flow-Dependent Remodeling in the Carotid Artery of Fibroblast Growth Factor-2 Knockout Mice, 1100

Fibronectin
Central Roles of $\alpha_5\beta_1$ Integrin and Fibronectin in Vascular Development in Mouse Embryos and Embryoid Bodies, 927
Homocysteine Binds to Human Plasma Fibronectin and Inhibits Its Interaction With Fibrin, 1354
Shear Stress-Induced Endothelial Cell Migration Involves Integrin Signaling Via the Fibronectin Receptor Subunits α_5 and β_1, 69

Fibrosis
Effect of Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling in Angiotensin II Type 2 Receptor Null Mice, 49
Transforming Growth Factor-β Mediates Balance Between Inflammation and Fibrosis During Plaque Progression, 975

Flow
Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts, 400

Flow chamber
Application of Ex Vivo Flow Chamber System for Assessment of Stent Thrombosis, 1360

Flow-dependent dilation
Excessive Microvascular Adaptation to Changes in Blood Flow in Mice Lacking Gene Encoding for Desmin, 1579

Flow-dependent remodeling
Flow-Dependent Remodeling in the Carotid Artery of Fibroblast Growth Factor-2 Knockout Mice, 1100

Flow-induced constriction
Xanthine Oxidase-Derived Reactive Oxygen Species Convert Flow-Induced Arteriolar Dilation to Constriction in Hyperhomocysteinemia: Possible Role of Peroxynitrite, 28

Flow-mediated dilatation
Population-Based Twin Study of the Effects of Migration From Finland to Sweden on Endothelial Function and Intima-Media Thickness, 832

Flt-1
Vascular Endothelial Growth Factor-Induced Genes in Human Umbilical Vein Endothelial Cells: Relative Roles of KDR and Flt-1 Receptors, 1797

Fluorescence recovery after photobleaching
Retarded Intracellular Lipid Transport Associated With Reduced Expression of Cdc42, a Member of Rho-GTPases, in Human Aged Skin Fibroblasts: A Possible Function of Cdc42 in Mediating Intracellular Lipid Transport, 1899

Foam cells
Role of Nuclear Factor-κB Activation in Metalloproteinase-1, -3, and -9 Secretion by Human Macrophages In Vitro and Rabbit Foam Cells Produced In Vivo, 765

Folates
Folates and Cardiovascular Disease, 6

Folic acid
Folic Acid Treatment Reduces Chemokine Release From Peripheral Blood Mononuclear Cells in Hyperhomocysteinemic Subjects, 699

Follow-up studies
Nonfasting Apolipoprotein B and Triglyceride Levels as a Useful Predictor of Coronary Heart Disease Risk in Middle-Aged UK Men, 1918

Follow-up study
Diagnosis of Familial Combined Hyperlipidemia Based on Lipid Phenotype Expression in 32 Families: Results of a 5-Year Follow-Up Study, 274

Free fatty acids
Delayed and Exaggerated Postprandial Complement Component 3 Response in Familial Combined Hyperlipidemia, 811

Free radicals
Dose-Dependent Regulation of NAD(P)H Oxidase Expression by Angiotensin II in Human Endothelial Cells: Protective Effect of Angiotensin II Type 1 Receptor Blockade in Patients With Coronary Artery Disease, 1845
Oxidative Stress in Human Abdominal Aortic Aneurysms: A Potential Mediator of Aneurysmal Remodeling, 560
Superoxide Generation in Directional Coronary Atherectomy Specimens of Patients With Angina Pectoris: Important Role of NAD(P)H Oxidase, 1838

Fu5AH rat hepatoma cells
Opposite Effects of Plasma From Human Apolipoprotein A-II Transgenic Mice on Cholesterol Efflux From J774 Macrophages and Fu5AH Hepatoma Cells, 638

Fucoidan
Low Molecular Weight Fucoidan Prevents Neointimal Hyperplasia in Rabbit Iliac Artery In-Stent Restenosis Model, 1604

G

G proteins
Pulsatile Flow-Induced Angiogenesis: Role of G_i Subunits, 1610

Galardin
Matrix Metalloproteinase Inhibition Impairs Adipose Tissue Development in Mice, 374

Gallstones
Transgenic Expression of Cholesterol-7-α-Hydroxylase Prevents Atherosclerosis in C57BL/6J Mice, 121

Gap junctions
Altered Pattern of Vascular Connexin Expression in Atherosclerotic Plaques, 225

Gastric banding
Relationship Between Cholesteryl Ester Transfer Protein and Atherogenic Lipoprotein Profile in Morbidly Obese Women, 1465

Gender
Impact of Alcohol Intake on Measures of Lipid Metabolism Depends on Context Defined by Gender, Body Mass Index, Cigarette Smoking, and *Apolipoprotein E* Genotype, 824

Gene
Characterization of LDL Particle Size Among Carriers of a Defective or a Null Mutation in the Lipoprotein Lipase Gene: The Québec LIPD Study, 1181
Haplotype-Specific Effects on Endothelial NO Synthase Promoter Efficiency: Modifiable by Cigarette Smoking, 743

Gene expression
Gene Expression Profiling of Apoptosis-Related Genes in Human Atherosclerosis: Upregulation of Death-Associated Protein Kinase, 2023
Saphenous Vein Endothelin System Expression and Activity in African American Patients, 1122
Shear Stress Induces Expression of Vascular Endothelial Growth Factor Receptor Flk-1/KDR Through the CT-Rich Sp1 Binding Site, 907
Vascular Endothelial Growth Factor-Induced Genes in Human Umbilical Vein Endothelial Cells: Relative Roles of KDR and Flt-1 Receptors, 1797
Gene regulation
Characterization of Human Glycoprotein VI Gene 5′ Regulatory and Promoter Regions, 1733
Haplotype-Specific Effects on Endothelial NO Synthase Promoter Efficiency: Modifiable by Cigarette Smoking, 743
Role of Isoprenylcysteine Carboxyl Methyltransferase in Tumor Necrosis Factor-α Stimulation of Expression of Vascular Cell Adhesion Molecule-1 in Endothelial Cells, 759
Gene structure
Novel 5′ Exon of Scavenger Receptor CD36 Is Expressed in Cultured Human Vascular Smooth Muscle Cells and Atherosclerotic Plaques, 412
Gene therapy
Prostacyclin Synthase Gene Transfer Modulates Cyclooxygenase-2-Derived Prostanoid Synthesis and Inhibits Neointimal Formation in Rat Balloon-Injured Arteries, 256
Gene transfer
Effects of Dominant-Negative c-Jun on Platelet-Derived Growth Factor-Induced Vascular Smooth Muscle Cell Proliferation, 82
Gene Transfer of Endothelial NO Synthase and Manganese Superoxide Dismutase on Arterial Vascular Cell Adhesion Molecule-1 Expression and Superoxide Production in Deoxycorticosterone Acetate-Salt Hypertension, 249
Human Endothelial Nitric Oxide Synthase Gene Delivery Promotes Angiogenesis in a Rat Model of Hindlimb Ischemia, 1279
Genes
Differential Gene Expression in Vascular Smooth Muscle Cells in Primary Atherosclerosis and In Stent Stenosis in Humans, 2030
Genetic effects
Heritability of Subclinical Atherosclerosis in Latino Families Ascertained Through a Hypertensive Parent, 843
Genetic polymorphisms
Interleukin-6 −174G>C Polymorphism and Risk of Coronary Heart Disease in West of Scotland Coronary Prevention Study (WOSCOPS), 599
Plasma Thrombin-Activatable Fibrinolysis Inhibitor Antigen Concentration and Genotype in Relation to Myocardial Infarction in the North and South of Europe, 867
Genetic screening
Postprandial Plasma ApoB-48 Levels Are Influenced by a Polymorphism in the Promoter of the Microsomal Triglyceride Transfer Protein Gene, 289
Genetic variability
Postprandial Plasma ApoB-48 Levels Are Influenced by a Polymorphism in the Promoter of the Microsomal Triglyceride Transfer Protein Gene, 289
Genetically altered mice
Mouse Genetic Evidence That Tranilast Reduces Smooth Muscle Cell Hyperplasia via a $p21^{WAF1}$-Dependent Pathway, 1305
Genetics
Factor V Leiden, Hormone Replacement Therapy, and Risk of Venous Thromboembolic Events in Women With Coronary Disease, 1012
Genetic and Environmental Influences on Lipids, Lipoproteins, and Apolipoproteins: Effects of Menopause, 1142
Genetic Influences on Aortic Root Size in American Indians: The Strong Heart Study, 1008
Vitamin C and E Intake Is Associated With Increased Paraoxonase Activity, 1329
Genome scan
Genome-Wide Linkage Analysis of the Acute Coronary Syndrome Suggests a Locus on Chromosome 2, 874
Genome-wide scan
Autosomal Genome-Wide Scan for Coronary Artery Calcification Loci in Sibships at High Risk for Hypertension, 418
Glucose transport
Semicarbazide-Sensitive Amine Oxidase in Vascular Smooth Muscle Cells: Differentiation-Dependent Expression and Role in Glucose Uptake, 89
Glycoprotein Ib
Platelet Shape Changes and Adhesion Under High Shear Flow, 329
Glycoproteins
Application of Ex Vivo Flow Chamber System for Assessment of Stent Thrombosis, 1360
Glycosaminoglycans
Proteoglycans Synthesized by Arterial Smooth Muscle Cells in the Presence of Transforming Growth Factor-β1 Exhibit Increased Binding to LDLs, 55
$Gp91^{phox}$
Cytochrome b_{558}-Dependent NAD(P)H Oxidase-Phox Units in Smooth Muscle and Macrophages of Atherosclerotic Lesions, 2037
GPI-anchor
Characterization of the Association of Tissue Factor Pathway Inhibitor With Human Placenta, 2099
GPVI
The Influence of Platelet Collagen Receptor Polymorphisms in Hemostasis and Thrombotic Disease, 14
Growth factors
Growth Factors Enhance Interleukin-1β-Induced Persistent Activation of Nuclear Factor-κB in Rat Vascular Smooth Muscle Cells, 1811
NO Attenuates Insulin Signaling and Motility in Aortic Smooth Muscle Cells via Protein Tyrosine Phosphatase 1B-Mediated Mechanism, 1086
Regulation of Endothelial Cell Survival and Apoptosis During Angiogenesis, 887
Role of Isoprenylcysteine Carboxyl Methyltransferase in Tumor Necrosis Factor-α Stimulation of Expression of Vascular Cell Adhesion Molecule-1 in Endothelial Cells, 759
Growth substances
Involvement of Endothelial Nitric Oxide in Sphingosine-1-Phosphate-Induced Angiogenesis, 108

H

Haplotypes
Haplotype-Specific Effects on Endothelial NO Synthase Promoter Efficiency: Modifiable by Cigarette Smoking, 743
HCT-1026
Beneficial Effects of NO-Releasing Derivative of Flurbiprofen (HCT-1026) in Rat Model of Vascular Injury and Restenosis, 263
HDL
Elevated Soluble Cellular Adhesion Molecules in Subjects With Low HDL-Cholesterol, 656
Human Secretory Phospholipase A_2 Mediates Decreased Plasma Levels of HDL Cholesterol and ApoA-I in Response to Inflammation in Human ApoA-I Transgenic Mice, 1213
Increased Atherosclerosis in Hyperlipidemic Mice With Inactivation of ABCA1 in Macrophages, 630
Pleiotropic Actions of Peroxisome Proliferator-Activated Receptors in Lipid Metabolism and Atherosclerosis, 717
HDL cholesterol
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852
Nonfasting Apolipoprotein B and Triglyceride Levels as a Useful Predictor of Coronary Heart Disease Risk in Middle-Aged UK Men, 1918
HDL_3
Mast Cell Tryptase Degrades HDL and Blocks Its Function as an Acceptor of Cellular Cholesterol, 2086
Heart failure
cAMP Signal Transduction, A Potential Compensatory Pathway for Coronary Endothelial NO Production After Heart Failure, 1273
Heat shock protein
Autoimmunity to Human Heat Shock Protein 60, *Chlamydia pneumoniae* Infection, and Inflammation in Predicting Coronary Risk, 431

Role of Heat Shock Proteins in Atherosclerosis, 1547
Heme oxygenase
Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms, 2017
Heme Oxygenase-1 Gene Promoter Polymorphism Is Associated With Coronary Artery Disease in Japanese Patients With Coronary Risk Factors, 1680
Hemostasis
Analysis of Coagulation Cascade and Endothelial Cell Activation During Inhibition of Vascular Endothelial Growth Factor/Vascular Endothelial Growth Factor Receptor Pathway in Cancer Patients, 1500
Genetic Contribution to Circulating Levels of Hemostatic Factors in Healthy Families With Effects of Known Genetic Polymorphisms on Heritability, 506
Hemostatic factors
Hemostatic Factors as Predictors of Coronary Events and Total Mortality: The FINRISK '92 Hemostasis Study, 353
Tissue Plasminogen Activator, Fibrin D-Dimer, and Insulin Resistance in the Relatives of Patients With Premature Coronary Artery Disease, 704
Heparan sulfate
Mechanical Stress Regulates Syndecan-4 Expression and Redistribution in Vascular Smooth Muscle Cells, 61
Heparan sulfate proteoglycans
Differential Role of Heparan Sulfate Proteoglycans on Aggregated LDL Uptake in Human Vascular Smooth Muscle Cells and Mouse Embryonic Fibroblasts, 1905
Heparin
Contribution of Double-Stranded RNA-Activated Protein Kinase Toward Antiproliferative Actions of Heparin on Vascular Smooth Muscle Cells, 1439
Hepatic acute-phase
Vascular Inflammation and the Renin-Angiotensin System, 1257
Hepatic lipase
Lipolytically Modified Triglyceride-Enriched HDLs Are Rapidly Cleared From the Circulation, 483
Metabolism of ApoA-I as Lipid-Free Protein or as Component of Discoidal and Spherical Reconstituted HDLs: Studies in Wild-Type and Hepatic Lipase Transgenic Rabbits, 1912
Heritability
Genetic Contribution to Circulating Levels of Hemostatic Factors in Healthy Families With Effects of Known Genetic Polymorphisms on Heritability, 506
Heritability of Carotid Artery Structure and Function: The Strong Heart Family Study, 1698
Heritability of Subclinical Atherosclerosis in Latino Families Ascertained Through a Hypertensive Parent, 843
Herpesvirus
Enhanced Atherogenesis Is Not an Obligatory Response to Systemic Herpesvirus Infection in the ApoE-Deficient Mouse: Comparison of Murine γ-Herpesvirus-68 and Herpes Simplex Virus-1, 793
Hibernation
Remodeling of Small Intramyocardial Coronary Arteries Distal to a Severe Epicardial Coronary Artery Stenosis, 2059
High cholesterol diet
Chronic Exercise Improves Endothelial Calcium Signaling and Vasodilatation in Hypercholesterolemic Rabbit Femoral Artery, 1219
High density lipoproteins
Cholesteryl Ester Transfer Protein Expressed in Lecithin Cholesterol Acyltransferase-Deficient Mice, 1347
Cholesteryl Ester Transfer Protein *Taq*I B2B2 Genotype Is Associated With Higher HDL Cholesterol Levels and Lower Risk of Coronary Heart Disease End Points in Men With HDL Deficiency: Veterans Affairs HDL Cholesterol Intervention Trial, 1148
Delineation of the Role of Pre-β_1-HDL in Cholesterol Efflux Using Isolated Pre-β_1-HDL, 1482
Lipolytically Modified Triglyceride-Enriched HDLs Are Rapidly Cleared From the Circulation, 483
Metabolism of ApoA-I as Lipid-Free Protein or as Component of Discoidal and Spherical Reconstituted HDLs: Studies in Wild-Type and Hepatic Lipase Transgenic Rabbits, 1912
Quantitative Trait Loci and Candidate Genes Regulating HDL Cholesterol: A Murine Chromosome Map, 1390
High shear rate
Platelet Shape Changes and Adhesion Under High Shear Flow, 329
High-density lipoproteins
Increased Carotid Artery Intima-Media Thickness in Subjects With Primary Hypoalphalipoproteinemia, 317
Higher coronary heart disease
Population-Based Twin Study of the Effects of Migration From Finland to Sweden on Endothelial Function and Intima-Media Thickness, 832
Hispanic
Relation of Apo(a) Size to Carotid Atherosclerosis in an Elderly Multiethnic Population, 141
Histopathology
Oxidized LDL in Carotid Plaques and Plasma Associates With Plaque Instability, 1649
HIV protease inhibitor
HIV Protease Inhibitor Ritonavir Induces Cytotoxicity of Human Endothelial Cells, 1560
Homocysteine
Cellular Redox State and Endothelial Dysfunction in Mildly Hyperhomocysteinemic Cystathionine β-Synthase-Deficient Mice, 34
Deficiency of Glutathione Peroxidase-1 Sensitizes Hyperhomocysteinemic Mice to Endothelial Dysfunction, 1996
Elevated Fibrinogen and Homocysteine Levels Enhance the Risk of Mortality in Patients From a High-Risk Preventive Cardiology Clinic, 1042
Folic Acid Treatment Reduces Chemokine Release From Peripheral Blood Mononuclear Cells in Hyperhomocysteinemic Subjects, 699
Homocysteine Binds to Human Plasma Fibronectin and Inhibits Its Interaction With Fibrin, 1354
Homocysteine Upregulates Vascular Cell Adhesion Molecule-1 Expression in Cultured Human Aortic Endothelial Cells and Enhances Monocyte Adhesion, 587
Increased Serum Homocysteine and Sudden Death Resulting from Coronary Atherosclerosis With Fibrous Plaques, 1936
Xanthine Oxidase-Derived Reactive Oxygen Species Convert Flow-Induced Arteriolar Dilation to Constriction in Hyperhomocysteinemia: Possible Role of Peroxynitrite, 28
Hormone replacement therapy
Female Hormones and Thrombosis, 201
Hormone therapy
Effect of Estrogen Plus Progestin on Progression of Carotid Atherosclerosis in Postmenopausal Women With Heart Disease: HERS B-Mode Substudy, 1692
Human aortic endothelial cells
Homocysteine Upregulates Vascular Cell Adhesion Molecule-1 Expression in Cultured Human Aortic Endothelial Cells and Enhances Monocyte Adhesion, 587
Human apolipoprotein A-II transgenic mice
Opposite Effects of Plasma From Human Apolipoprotein A-II Transgenic Mice on Cholesterol Efflux From J774 Macrophages and Fu5AH Hepatoma Cells, 638
Human artery
Involvement of Rho-Kinase in Agonists-Induced Contractions of Arteriosclerotic Human Arteries, 243
Human mast cells
Mast Cell Tryptase Degrades HDL and Blocks Its Function as an Acceptor of Cellular Cholesterol, 2086
Human peripheral blood monocyte (HPBM)
Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Is Induced Upon Monocyte Differentiation and Is Expressed in Human Atheroma, 1200
Human umbilical vein endothelial cells
Role of Mitochondrial Oxidant Generation in Endothelial Cell Responses to Hypoxia, 566
Human vascular smooth muscle cells
Differential Role of Heparan Sulfate Proteoglycans on Aggregated LDL Uptake in Human Vascular Smooth Muscle Cells and Mouse Embryonic Fibroblasts, 1905
Hyaluronan
Differential Accumulation of Proteoglycans and Hyaluronan in Culprit Lesions: Insights Into Plaque Erosion, 1642

Hydrogen peroxide
Peroxidase Properties of Extracellular Superoxide Dismutase: Role of Uric Acid in Modulating In Vivo Activity, 1402
Semicarbazide-Sensitive Amine Oxidase in Vascular Smooth Muscle Cells: Differentiation-Dependent Expression and Role in Glucose Uptake, 89
3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibition
Bone Marrow-Derived Progenitor Cells Modulate Vascular Reendothelialization and Neointimal Formation: Effect of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibition, 1567
Comparative Effects of Diet and Statin on NO Bioactivity and Matrix Metalloproteinases in Hypercholesterolemic Patients With Coronary Artery Disease, 1451
Endothelial Determinants of Dendritic Cell Adhesion and Migration: New Implications for Vascular Diseases, 1817
3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase-Independent Inhibition of CD40 Expression by Atorvastatin in Human Endothelial Cells, 1784
5-Hydroxytryptamine
Cholesterol Depletion Disrupts Caveolae and Differentially Impairs Agonist-Induced Arterial Contraction, 1267
Hyperalphalipoproteinemia
Increased Carotid Artery Intima-Media Thickness in Subjects With Primary Hypoalphalipoproteinemia, 317
Hypercholesterolemia
Altered Tetrahydrobiopterin Metabolism in Atherosclerosis: Implications for Use of Oxidized Tetrahydrobiopterin Analogues and Thiol Antioxidants, 1655
Angiotensin II Type 1 Receptor Antagonism Improves Hypercholesterolemia-Associated Endothelial Dysfunction, 1208
Association of Estrogen Receptor-α Gene Polymorphisms With Coronary Artery Disease in Patients With Familial Hypercholesterolemia, 817
Increased Intima-Media Thickness in Familial Combined Hyperlipidemia Associated With Apolipoprotein B, 283
Local Overexpression of Monocyte Chemoattractant Protein-1 at Vessel Wall Induces Infiltration of Macrophages and Formation of Atherosclerotic Lesion: Synergism With Hypercholesterolemia, 115
Low Density Lipoproteins Downregulate Lysyl Oxidase in Vascular Endothelial Cells and the Arterial Wall, 1409
Pulse-Wave Analysis: Clinical Evaluation of a Noninvasive, Widely Applicable Method for Assessing Endothelial Function, 147
Hyperglycemia
Monocyte and Neutrophil Adhesion Molecule Expression During Acute Hyperglycemia and After Antioxidant Treatment in Type 2 Diabetes and Control Patients, 1187
Hyperhomocysteinemia
Increased Monocyte Adhesion to Aortic Endothelium in Rats With Hyperhomocysteinemia: Role of Chemokine and Adhesion Molecules, 1777
Hyperinsulinemia
Expression of Type III Hyperlipoproteinemia in Apolipoprotein E2 (Arg158→Cys) Homozygotes Is Associated With Hyperinsulinemia, 294
Hyperlipidemia
Atorvastatin Preferentially Reduces LDL-Associated Platelet-Activating Factor Acetylhydrolase Activity in Dyslipidemias of Type IIA and Type IIB, 306
Hyperplasia
Low Molecular Weight Fucoidan Prevents Neointimal Hyperplasia in Rabbit Iliac Artery In-Stent Restenosis Model, 1604
Hypertension
Aortic Constriction Exacerbates Atherosclerosis and Induces Cardiac Dysfunction in Mice Lacking Apolipoprotein E, 469
Blood Pressure Increase and Incidence of Hypertension in Relation to Inflammation-Sensitive Plasma Proteins, 2054
Effects of Continuous Combined Hormone Replacement Therapy on Inflammation in Hypertensive and/or Overweight Postmenopausal Women, 1459
Gene Transfer of Endothelial NO Synthase and Manganese Superoxide Dismutase on Arterial Vascular Cell Adhesion Molecule-1 Expression and Superoxide Production in Deoxycorticosterone Acetate-Salt Hypertension, 249
Mechanical Stress Regulates Syndecan-4 Expression and Redistribution in Vascular Smooth Muscle Cells, 61
Respiratory Uncoupling Lowers Blood Pressure Through a Leptin-Dependent Mechanism in Genetically Obese Mice, 961
Saphenous Vein Endothelin System Expression and Activity in African American Patients, 1122
Hypertriglyceridemia
Lipolytically Modified Triglyceride-Enriched HDLs Are Rapidly Cleared From the Circulation, 483
Hypoalphalipoproteinemia
Increased Carotid Artery Intima-Media Thickness in Subjects With Primary Hypoalphalipoproteinemia, 317
Hypochlorous acid
Vitamin C Protects Against Hypochlorous Acid-Induced Glutathione Depletion and DNA Base and Protein Damage in Human Vascular Smooth Muscle Cells, 574
Hypoxia
Lipid Accumulation in Smooth Muscle Cells Under LDL Loading Is Independent of LDL Receptor Pathway and Enhanced by Hypoxic Conditions, 1712
Microsomal Triglyceride Transfer Protein Gene Expression and Triglyceride Accumulation in Hypoxic Human Hearts, 1489

I

Imaging
Age and Sex Distribution of Subclinical Aortic Atherosclerosis: A Magnetic Resonance Imaging Examination of the Framingham Heart Study, 849
Immune deficiency
Both Apolipoprotein E and Immune Deficiency Exacerbate Neointimal Hyperplasia After Vascular Injury in Mice, 450
Immunohistochemistry
Production of the Long Pentraxin PTX3 in Advanced Atherosclerotic Plaques, 781
In vivo thromboembolism
Hypercholesterolemia Enhances Thromboembolism in Arterioles but Not Venules: Complete Reversal by L-Arginine, 680
Inbred mice
Endothelial Dysfunction and Blood Pressure Variability in Selected Inbred Mouse Strains, 42
Inducible nitric oxide synthase
Adrenoceptor Hyporeactivity Is Responsible for *Escherichia coli* Endotoxin-Induced Acute Vascular Dysfunction in Humans, 95
Spontaneous Ischemic Events in the Brain and Heart Adapt the Hearts of Severely Atherosclerotic Mice to Ischemia, 995
Infection
Enhanced Atherogenesis Is Not an Obligatory Response to Systemic Herpesvirus Infection in the ApoE-Deficient Mouse: Comparison of Murine γ-Herpesvirus-68 and Herpes Simplex Virus-1, 793
Inflammation
Blood Pressure Increase and Incidence of Hypertension in Relation to Inflammation-Sensitive Plasma Proteins, 2054
C-Reactive Protein Relaxes Human Vessels In Vitro, 1865
Circulating Oxidized LDL Is Associated With Subclinical Atherosclerosis Development and Inflammatory Cytokines (AIR Study), 1162
Common Promoter Variant in Cyclooxygenase-2 Represses Gene Expression: Evidence of Role in Acute-Phase Inflammatory Response, 1631
Effects of Continuous Combined Hormone Replacement Therapy on Inflammation in Hypertensive and/or Overweight Postmenopausal Women, 1459
Elevated Serum C-Reactive Protein Levels and Early Arterial Changes in Healthy Children, 1323
Endothelial Determinants of Dendritic Cell Adhesion and Migration: New Implications for Vascular Diseases, 1817
Fluvastatin Reduces Tissue Factor Expression and Macrophage Accumulation in Carotid Lesions of Cholesterol-Fed Rabbits in the Absence of Lipid Lowering, 692
Human Secretory Phospholipase A_2 Mediates Decreased Plasma Levels of HDL Cholesterol and ApoA-I in Response to Inflammation in Human ApoA-I Transgenic Mice, 1213

In the Elderly, Interleukin-6 Plasma Levels and the −174G>C Polymorphism Are Associated With the Development of Cardiovascular Disease, 2066
Inflammation and Restenosis in the Stent Era, 1769
Inflammatory Mediators and Cell Adhesion Molecules as Indicators of Severity of Atherosclerosis: The Rotterdam Study, 838
Interleukin-6 −174G>C Polymorphism and Risk of Coronary Heart Disease in West of Scotland Coronary Prevention Study (WOSCOPS), 599
Interrelationships Among Circulating Interleukin-6, C-Reactive Protein, and Traditional Cardiovascular Risk Factors in Women, 1668
Long Pentraxin PTX3 Upregulates Tissue Factor Expression in Human Endothelial Cells: A Novel Link Between Vascular Inflammation and Clotting Activation, 782
Pleiotropic Actions of Peroxisome Proliferator-Activated Receptors in Lipid Metabolism and Atherosclerosis, 717
Prospective Study of Effect of Androgens on Serum Inflammatory Markers in Men, 1136
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194
Sol Sherry Lecture in Thrombosis: Molecular Events in Acute Inflammation, 727
Statins Reduce Inflammation in Atheroma of Nonhuman Primates Independent of Effects on Serum Cholesterol, 1452
Tranilast Prevents Activation of Transforming Growth Factor-β System, Leukocyte Accumulation, and Neointimal Growth in Porcine Coronary Arteries After Stenting, 940
Transforming Growth Factor-β Mediates Balance Between Inflammation and Fibrosis During Plaque Progression, 975

Inhibitors
Rho-GTPase-Dependent Platelet-Neutrophil Interaction Affected by HMG-CoA Reductase Inhibition With Altered Adenosine Nucleotide Release and Function, 1029

Injury
N-Cadherin Upregulation and Function in Response of Smooth Muscle Cells to Arterial Injury, 1972

Insulin
Early Kinetic Abnormalities of ApoB-Containing Lipoproteins in Insulin-Resistant Women With Abdominal Obesity, 1726
Inhibition of Platelet-Collagen Interaction: An In Vivo Action of Insulin Abolished by Insulin Resistance in Obesity, 167
Insulin Inhibits Apoptosis of Macrophage Cell Line, THP-1 Cells, via Phosphatidylinositol-3-Kinase-Dependent Pathway, 380
Tissue Plasminogen Activator, Fibrin D-Dimer, and Insulin Resistance in the Relatives of Patients With Premature Coronary Artery Disease, 704

Insulin receptor substrate-1
Genome-Wide Linkage Analysis of the Acute Coronary Syndrome Suggests a Locus on Chromosome 2, 874

Insulin resistance
Adipocyte Fatty Acid-Binding Protein, aP2, Alters Late Atherosclerotic Lesion Formation in Severe Hypercholesterolemia, 1686
Early Kinetic Abnormalities of ApoB-Containing Lipoproteins in Insulin-Resistant Women With Abdominal Obesity, 1726
Increased Intima-Media Thickness in Familial Combined Hyperlipidemia Associated With Apolipoprotein B, 283
Respiratory Uncoupling Lowers Blood Pressure Through a Leptin-Dependent Mechanism in Genetically Obese Mice, 961

Intact tissue
Detection of Superoxide in Vascular Tissue, 1761

$\alpha_5\beta_1$ Integrin
Central Roles of $\alpha_5\beta_1$ Integrin and Fibronectin in Vascular Development in Mouse Embryos and Embryoid Bodies, 927

$\alpha_v\beta_3$ Integrin
Fibrillar Collagen Regulation of Plasminogen Activator Inhibitor-1 Is Involved in Altered Smooth Muscle Cell Migration, 1573

β_3 Integrin
PI^A Polymorphism of Integrin β_3 Differentially Modulates Cellular Migration on Extracellular Matrix Proteins, 1984

Integrins
The Influence of Platelet Collagen Receptor Polymorphisms in Hemostasis and Thrombotic Disease, 14
Shear Stress Activation of SREBP1 in Endothelial Cells Is Mediated by Integrins, 76
Shear Stress-Induced Endothelial Cell Migration Involves Integrin Signaling Via the Fibronectin Receptor Subunits α_5 and β_1, 69
Thrombospondin-1 Mediates Smooth Muscle Cell Proliferation Induced by Interaction With Human Platelets, 1286

Interferon
Contribution of Double-Stranded RNA-Activated Protein Kinase Toward Antiproliferative Actions of Heparin on Vascular Smooth Muscle Cells, 1439

Interferon-γ
Interferon-γ-Mediated Downregulation of Cholesterol Efflux and ABC1 Expression Is by the Stat1 Pathway, 744

Interleukin-1
Interleukin-1β Inhibits Expression of p21(WAF1/CIP1) and p27(KIP1) and Enhances Proliferation in Response to Platelet-Derived Growth Factor-BB in Smooth Muscle Cells, 1293

Interleukin-12
3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase-Independent Inhibition of CD40 Expression by Atorvastatin in Human Endothelial Cells, 1784

Interleukin-1β
Growth Factors Enhance Interleukin-1β-Induced Persistent Activation of Nuclear Factor-κB in Rat Vascular Smooth Muscle Cells, 1811

Interleukin-4
Interleukin-4 Deficiency Decreases Atherosclerotic Lesion Formation in a Site-Specific Manner in Female LDL Receptor−/− Mice, 456

Interleukin-6
In the Elderly, Interleukin-6 Plasma Levels and the −174G>C Polymorphism Are Associated With the Development of Cardiovascular Disease, 2066
Interleukin-6 −174G>C Polymorphism and Risk of Coronary Heart Disease in West of Scotland Coronary Prevention Study (WOSCOPS), 599
Interrelationships Among Circulating Interleukin-6, C-Reactive Protein, and Traditional Cardiovascular Risk Factors in Women, 1668
Monocyte Chemoattractant Protein-1 Induces Proliferation and Interleukin-6 Production in Human Smooth Muscle Cells by Differential Activation of Nuclear Factor-κB and Activator Protein-1, 914
Vascular Inflammation and the Renin-Angiotensin System, 1257

Interleukins
Inflammatory Mediators and Cell Adhesion Molecules as Indicators of Severity of Atherosclerosis: The Rotterdam Study, 838
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194

Intima-media thickness
Circulating Oxidized LDL Is Associated With Subclinical Atherosclerosis Development and Inflammatory Cytokines (AIR Study), 1162
Heritability of Subclinical Atherosclerosis in Latino Families Ascertained Through a Hypertensive Parent, 843
Increased Carotid Artery Intima-Media Thickness in Subjects With Primary Hypoalphalipoproteinemia, 317

Intimal atrophy
Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts, 400

Intimal hyperplasia
CCR2 Deficiency Decreases Intimal Hyperplasia After Arterial Injury, 554

Intimal thickening
Beneficial Effects of Combined Blockade of ACE and AT_1 Receptor on Intimal Hyperplasia in Balloon-Injured Rat Artery, 1299
Heterogeneity of Smooth Muscle Cell Populations Cultured From Pig Coronary Artery, 1093

Intracellular adhesion molecule-1
Elevated Soluble Cellular Adhesion Molecules in Subjects With Low HDL-Cholesterol, 656

Intracellular calcium
Cholesterol Depletion Disrupts Caveolae and Differentially Impairs Agonist-Induced Arterial Contraction, 1267

Intracellular lipid transport
Retarded Intracellular Lipid Transport Associated With Reduced Expression of Cdc42, a Member of Rho-GTPases, in Human Aged Skin Fibroblasts: A Possible Function of Cdc42 in Mediating Intracellular Lipid Transport, 1899
Iron
Effect of Dexrazoxane on Homocysteine-Induced Endothelial Dysfunction in Normal Subjects, 1128
Ischemia
Human Endothelial Nitric Oxide Synthase Gene Delivery Promotes Angiogenesis in a Rat Model of Hindlimb Ischemia, 1279
Remodeling of Small Intramyocardial Coronary Arteries Distal to a Severe Epicardial Coronary Artery Stenosis, 2059
Role of Mitochondrial Oxidant Generation in Endothelial Cell Responses to Hypoxia, 566
Ischemic myocardium
Improvement of Collateral Perfusion and Regional Function by Implantation of Peripheral Blood Mononuclear Cells Into Ischemic Hibernating Myocardium, 1804
Ischemic preconditioning
Spontaneous Ischemic Events in the Brain and Heart Adapt the Hearts of Severely Atherosclerotic Mice to Ischemia, 995
Isoflavones
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852

J

J774 mouse macrophages
Opposite Effects of Plasma From Human Apolipoprotein A-II Transgenic Mice on Cholesterol Efflux From J774 Macrophages and Fu5AH Hepatoma Cells, 638

K

KDR
Vascular Endothelial Growth Factor-Induced Genes in Human Umbilical Vein Endothelial Cells: Relative Roles of KDR and Flt-1 Receptors, 1797
Kinetics
Lipolytically Modified Triglyceride-Enriched HDLs Are Rapidly Cleared From the Circulation, 483
Knockout
Characteristics of Intact and Ruptured Atherosclerotic Plaques in Brachiocephalic Arteries of Apolipoprotein E Knockout Mice, 788
Knockout mice
Flow-Dependent Remodeling in the Carotid Artery of Fibroblast Growth Factor-2 Knockout Mice, 1100
Interferon-γ-Mediated Downregulation of Cholesterol Efflux and ABC1 Expression Is by the Stat1 Pathway, 744
Kunitz
Characterization of the Association of Tissue Factor Pathway Inhibitor With Human Placenta, 2099

L

Lasers
Fluorescence Analysis of Biochemical Constituents Identifies Atherosclerotic Plaque With a Thin Fibrous Cap, 1002
LDL
Association Between the PPARA L162V Polymorphism and Plasma Lipid Levels: The Framingham Offspring Study, 805
Cyclooxygenase-2-Dependent Prostacyclin Formation Is Regulated by Low Density Lipoprotein Cholesterol In Vitro, 983
Lipid Accumulation in Smooth Muscle Cells Under LDL Loading Is Independent of LDL Receptor Pathway and Enhanced by Hypoxic Conditions, 1712
Locus Controlling LDL Cholesterol Response to Dietary Cholesterol Is on Baboon Homologue of Human Chromosome 6, 1720
Native LDL Upregulation of ATP-Binding Cassette Transporter-1 in Human Vascular Endothelial Cells, 127
LDL cholesterol
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852
LDL oxidation
ATP-Binding Cassette Transporter 1 Participates in LDL Oxidation by Artery Wall Cells, 1877
LDL particle size
Characterization of LDL Particle Size Among Carriers of a Defective or a Null Mutation in the Lipoprotein Lipase Gene: The Québec LIPD Study, 1181
LDL receptor deficiency
Accumulation of Biglycan and Perlecan, but Not Versican, in Lesions of Murine Models of Atherosclerosis, 462
LDL receptor-related protein
Differential Role of Heparan Sulfate Proteoglycans on Aggregated LDL Uptake in Human Vascular Smooth Muscle Cells and Mouse Embryonic Fibroblasts, 1905
Human Coronary Smooth Muscle Cells Internalize Versican-Modified LDL Through LDL Receptor-Related Protein and LDL Receptors, 387
LDL receptors
B-Lymphocyte Deficiency Increases Atherosclerosis in LDL Receptor-Null Mice, 1892
Inhibition of the Apical Sodium-Dependent Bile Acid Transporter Reduces LDL Cholesterol and ApoB by Enhanced Plasma Clearance of LDL ApoB, 1884
Lecithin-cholesterol acyltransferase
Cholesteryl Ester Transfer Protein Expressed in Lecithin Cholesterol Acyltransferase-Deficient Mice, 1347
Letters to the editor
Acquired HDL Deficiency Associated With Apolipoprotein A-I Reactive Monoclonal Immunoglobulins, 1740
Exercise-Induced Suppression of Postprandial Lipemia: A Possible Mechanism of Endothelial Protection?, 1239
Expression of the Novel Scavenger Receptor SR-PSOX in Cultured Aortic Smooth Muscle Cells and Umbilical Endothelial Cells, 710. Response to letter, 711
Genetic Association Studies, 2105
Hormone Replacement Therapy, Prothrombotic Mutations, and the Risk of Incident Nonfatal Ischemic Stroke in Postmenopausal Women, 1051
IRS-1 Gly971Arg Variant Is Not a New Risk Factor for Coronary Artery Disease in the Taiwanese Population, 194
MMP Inhibition and Lumen Loss After Balloon Angioplasty or Stenting, 1241. Response to letter, 1241
Periprocedural Kinetics in Serum Levels of Cytokines and Adhesion Molecules in Elective PTCA and Stent Implantation: Impact on Restenosis, 2105. Response to letter, 2107
Physiological Variations of Isoprostanes: A Step Forward? 1239. Response to letter, 1240
The T Allele of The $C^{677}T$ 5,10-Methylenetetrahydrofolate Reductase (MTHFR) Gene Polymorphism May Protect Endothelial Function in Young, Normal Subjects, 193
Validation of Homocyst(e)ine-Lowering Treatment in the Era of Folic Acid Fortification of Cereal Grains, 1051. Response to letter, 1051
Leukotriene B4
Leukotriene B4 Receptor Antagonism Reduces Monocytic Foam Cells in Mice, 443
Life-course
Life-Course Perspective on Socioeconomic Differences in Carotid Atherosclerosis, 1704
Linkage
Locus Controlling LDL Cholesterol Response to Dietary Cholesterol Is on Baboon Homologue of Human Chromosome 6, 1720
LIPC
Contribution of Hepatic Lipase, Lipoprotein Lipase, and Cholesteryl Ester Transfer Protein to LDL and HDL Heterogeneity in Healthy Women, 667
Lipid therapy
Antioxidant Vitamins and Lipid Therapy: End of a Long Romance?, 1535

Lipids
Early Kinetic Abnormalities of ApoB-Containing Lipoproteins in Insulin-Resistant Women With Abdominal Obesity, 1726
Expression of G2A, a Receptor for Lysophosphatidylcholine, by Macrophages in Murine, Rabbit, and Human Atherosclerotic Plaques, 2049
Fluorescence Analysis of Biochemical Constituents Identifies Atherosclerotic Plaque With a Thin Fibrous Cap, 1002
Genetic and Environmental Influences on Lipids, Lipoproteins, and Apolipoproteins: Effects of Menopause, 1142
Microsomal Triglyceride Transfer Protein Gene Expression and Triglyceride Accumulation in Hypoxic Human Hearts, 1489
Platelets and Thrombin Generation, 1381
Relationship Between Cholesteryl Ester Transfer Protein and Atherogenic Lipoprotein Profile in Morbidly Obese Women, 1465
Simvastatin Promotes Atherosclerotic Plaque Stability in ApoE-Deficient Mice Independently of Lipid Lowering, 1832
Lipopolysaccharide
Adrenoceptor Hyporeactivity Is Responsible for *Escherichia coli* Endotoxin-Induced Acute Vascular Dysfunction in Humans, 95
Lipoprotein A-I
Value of HDL Cholesterol, Apolipoprotein A-I, Lipoprotein A-I, and Lipoprotein A-I/A-II in Prediction of Coronary Heart Disease: The PRIME Study, 1155
Lipoprotein lipase
Apolipoprotein E and Lipoprotein Lipase Increase Triglyceride-Rich Particle Binding but Decrease Particle Penetration in Arterial Wall, 2080
Characterization of LDL Particle Size Among Carriers of a Defective or a Null Mutation in the Lipoprotein Lipase Gene: The Québec LIPD Study, 1181
Lipoprotein Lipase in the Arterial Wall: Linking LDL to the Arterial Extracellular Matrix and Much More, 211
Lipoprotein size
Transvascular Low-Density Lipoprotein Transport in Patients With Diabetes Mellitus (Type 2): A Noninvasive In Vivo Isotope Technique, 1168
Lipoprotein(a)
Alcohol-Extracted, but Not Intact, Dietary Soy Protein Lowers Lipoprotein(a) Markedly, 312
Lp(a) Particles Mold Fibrin-Binding Properties of Apo(a) in Size-Dependent Manner: A Study With Different-Length Recombinant Apo(a), Native Lp(a), and Monoclonal Antibody, 1232
Relation of Apo(a) Size to Carotid Atherosclerosis in an Elderly Multiethnic Population, 141
Lipoproteins
Characterization of LDL Particle Size Among Carriers of a Defective or a Null Mutation in the Lipoprotein Lipase Gene: The Québec LIPD Study, 1181
Human Secretory Phospholipase A_2 Mediates Decreased Plasma Levels of HDL Cholesterol and ApoA-I in Response to Inflammation in Human ApoA-I Transgenic Mice, 1213
Impact of Alcohol Intake on Measures of Lipid Metabolism Depends on Context Defined by Gender, Body Mass Index, Cigarette Smoking, and *Apolipoprotein E* Genotype, 824
Lipoprotein Lipase in the Arterial Wall: Linking LDL to the Arterial Extracellular Matrix and Much More, 211
Microsomal Triglyceride Transfer Protein Gene Expression and Triglyceride Accumulation in Hypoxic Human Hearts, 1489
Nuclear Magnetic Resonance Spectroscopy of Lipoproteins and Risk of Coronary Heart Disease in the Cardiovascular Health Study, 1175
Proteoglycans Synthesized by Arterial Smooth Muscle Cells in the Presence of Transforming Growth Factor-β1 Exhibit Increased Binding to LDLs, 55
Transgenic Expression of Cholesterol-7-α-Hydroxylase Prevents Atherosclerosis in C57BL/6J Mice, 121
Liquid-formula diets
Alcohol-Extracted, but Not Intact, Dietary Soy Protein Lowers Lipoprotein(a) Markedly, 312
Liver X receptor
Native LDL Upregulation of ATP-Binding Cassette Transporter-1 in Human Vascular Endothelial Cells, 127
Low density lipoprotein
Interleukin-4 Deficiency Decreases Atherosclerotic Lesion Formation in a Site-Specific Manner in Female LDL Receptor−/− Mice, 456
Low Density Lipoproteins Downregulate Lysyl Oxidase in Vascular Endothelial Cells and the Arterial Wall, 1409
Transvascular Low-Density Lipoprotein Transport in Patients With Diabetes Mellitus (Type 2): A Noninvasive In Vivo Isotope Technique, 1168
Lucigenin
Detection of Superoxide in Vascular Tissue, 1761
Lymphocytes
Factors Contributing to Individual Propensity for Arterial Thrombosis, 1495
Lysophosphatidylcholine
Lysophosphatidylcholine Activates Extracellular Signal-Regulated Kinases 1/2 Through Reactive Oxygen Species in Rat Vascular Smooth Muscle Cells, 752
Lysophosphatidylcholine Stimulates Monocyte Chemoattractant Protein-1 Gene Expression in Rat Aortic Smooth Muscle Cells, 1617
Lysosome
Inflammation in Atherosclerosis: Lesion Formation in LDL Receptor-Deficient Mice With Perforin and *Lyst*^{beige} Mutations, 1341
Lysyl oxidase
Low Density Lipoproteins Downregulate Lysyl Oxidase in Vascular Endothelial Cells and the Arterial Wall, 1409

M

Macrophages
Altered Pattern of Vascular Connexin Expression in Atherosclerotic Plaques, 225
Atherosclerosis in C3H/HeJ Mice Reconstituted With Apolipoprotein E-Null Bone Marrow, 650
Human Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis Requires NO Enhancement of Fas/Fas-L Interactions, 1624
Insulin Inhibits Apoptosis of Macrophage Cell Line, THP-1 Cells, via Phosphatidylinositol-3-Kinase-Dependent Pathway, 380
Production of the Long Pentraxin PTX3 in Advanced Atherosclerotic Plaques, 781
Propagermanium Reduces Atherosclerosis in Apolipoprotein E Knockout Mice via Inhibition of Macrophage Infiltration, 969
Role of Nuclear Factor-κB Activation in Metalloproteinase-1, -3, and -9 Secretion by Human Macrophages In Vitro and Rabbit Foam Cells Produced In Vivo, 765
Statins Reduce Inflammation in Atheroma of Nonhuman Primates Independent of Effects on Serum Cholesterol, 1452
Magnetic resonance imaging
Age and Sex Distribution of Subclinical Aortic Atherosclerosis: A Magnetic Resonance Imaging Examination of the Framingham Heart Study, 849
Malondialdehyde-modified LDL
Increased Circulating Malondialdehyde-Modified LDL Levels in Patients With Coronary Artery Diseases and Their Association With Peak Sizes of LDL Particles, 662
Mapping
Genome-Wide Linkage Analysis of the Acute Coronary Syndrome Suggests a Locus on Chromosome 2, 874
Mast cells
Activated Mast Cells Increase the Level of Endothelin-1 mRNA in Cocultured Endothelial Cells and Degrade the Secreted Peptide, 268
Mast Cell Chymase Degrades ApoE and ApoA-II in ApoA-I-Knockout Mouse Plasma and Reduces Its Ability to Promote Cellular Cholesterol Efflux, 1475
Matrix
Lack of Plasminogen Activator Inhibitor-1 Promotes Growth and Abnormal Matrix Remodeling of Advanced Atherosclerotic Plaques in Apolipoprotein E-Deficient Mice, 499
Matrix metalloproteinase-1 (MMP-1)
Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Is Induced Upon Monocyte Differentiation and Is Expressed in Human Atheroma, 1200

Matrix metalloproteinase-9 (MMP-9)
Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Is Induced Upon Monocyte Differentiation and Is Expressed in Human Atheroma, 1200
Matrix metalloproteinases
Expression and Localization of Tissue Factor Pathway Inhibitor-2 in Normal and Atherosclerotic Human Vessels, 218
Matrix Metalloproteinase Inhibition Impairs Adipose Tissue Development in Mice, 374
Megakaryocytes
Cyclic AMP Raises Intracellular Ca^{2+} in Human Megakaryocytes Independent of Protein Kinase A, 179
Membrane vesicles
Oxidized Membrane Vesicles and Blebs From Apoptotic Cells Contain Biologically Active Oxidized Phospholipids That Induce Monocyte-Endothelial Interactions, 101
Memorial
In Memoriam: Donald S. Fredrickson, MD: 1924-2002, 1506
Men
Associations Between Cardiorespiratory Fitness and C-Reactive Protein in Men, 1869
Menopause
Effects of Continuous Combined Hormone Replacement Therapy on Inflammation in Hypertensive and/or Overweight Postmenopausal Women, 1459
Genetic and Environmental Influences on Lipids, Lipoproteins, and Apolipoproteins: Effects of Menopause, 1142
Metabolism
Metabolism of ApoA-I as Lipid-Free Protein or as Component of Discoidal and Spherical Reconstituted HDLs: Studies in Wild-Type and Hepatic Lipase Transgenic Rabbits, 1912
Metalloproteinases
Metalloproteinase Inhibition and the Response to Angioplasty and Stenting in Atherosclerotic Primates, 161
Role of Nuclear Factor-κB Activation in Metalloproteinase-1, -3, and -9 Secretion by Human Macrophages In Vitro and Rabbit Foam Cells Produced In Vivo, 765
Methionine
Effect of Dexrazoxane on Homocysteine-Induced Endothelial Dysfunction in Normal Subjects, 1128
Methionine load elevation
Adverse Event Associated With Methionine Loading Test: A Case Report, 1046
Mice
Adipocyte Fatty Acid-Binding Protein, aP2, Alters Late Atherosclerotic Lesion Formation in Severe Hypercholesterolemia, 1686
The Atheroprotective Effect of Dietary Soy Isoflavones in Apolipoprotein E−/− Mice Requires the Presence of Estrogen Receptor-α, 1859
Atherosclerosis in C3H/HeJ Mice Reconstituted With Apolipoprotein E-Null Bone Marrow, 650
Cholesteryl Ester Transfer Protein Expressed in Lecithin Cholesterol Acyltransferase-Deficient Mice, 1347
MRI and Characterization of Atherosclerotic Plaque: Emerging Applications and Molecular Imaging, 1065
Quantification of mRNA for Endothelial NO Synthase in Mouse Blood Vessels by Real-Time Polymerase Chain Reaction, 611
Microcirculation
Role of Mitochondrial Oxidant Generation in Endothelial Cell Responses to Hypoxia, 566
Microvascular disease
Remodeling of Small Intramyocardial Coronary Arteries Distal to a Severe Epicardial Coronary Artery Stenosis, 2059
Middle-aged female rats
In Vivo Estrogen Manipulations on Coronary Capillary Network and Angiogenic Molecule Expression in Middle-Aged Female Rats, 1591
Migration
N-Cadherin Upregulation and Function in Response of Smooth Muscle Cells to Arterial Injury, 1972
Pulsatile Flow-Induced Angiogenesis: Role of G_i Subunits, 1610
Shear Stress-Induced Endothelial Cell Migration Involves Integrin Signaling Via the Fibronectin Receptor Subunits α_5 and β_1, 69
Mitogen-activated protein kinase
Estrogen Regulation of Endothelial and Smooth Muscle Cell Migration and Proliferation: Role of p38 and p42/44 Mitogen-Activated Protein Kinase, 1585
Mitogen-activated protein kinase/extracellular signal-regulated kinase
Lysophosphatidylcholine Stimulates Monocyte Chemoattractant Protein-1 Gene Expression in Rat Aortic Smooth Muscle Cells, 1617
Molecular imaging
In Vivo Imaging of Thrombin Activity in Experimental Thrombi With Thrombin-Sensitive Near-Infrared Molecular Probe, 1929
MRI and Characterization of Atherosclerotic Plaque: Emerging Applications and Molecular Imaging, 1065
Monocyte
Monocyte and Neutrophil Adhesion Molecule Expression During Acute Hyperglycemia and After Antioxidant Treatment in Type 2 Diabetes and Control Patients, 1187
Monocyte adhesion
Homocysteine Upregulates Vascular Cell Adhesion Molecule-1 Expression in Cultured Human Aortic Endothelial Cells and Enhances Monocyte Adhesion, 587
Oxidized Cholesteryl Linoleates Stimulate Endothelial Cells to Bind Monocytes via the Extracellular Signal-Regulated Kinase 1/2 Pathway, 581
Monocyte chemoattractant protein-1
CCR2 Deficiency Decreases Intimal Hyperplasia After Arterial Injury, 554
Increased Monocyte Adhesion to Aortic Endothelium in Rats With Hyperhomocysteinemia: Role of Chemokine and Adhesion Molecules, 1777
Leukotriene B4 Receptor Antagonism Reduces Monocytic Foam Cells in Mice, 443
Local Overexpression of Monocyte Chemoattractant Protein-1 at Vessel Wall Induces Infiltration of Macrophages and Formation of Atherosclerotic Lesion: Synergism With Hypercholesterolemia, 115
Lysophosphatidylcholine Stimulates Monocyte Chemoattractant Protein-1 Gene Expression in Rat Aortic Smooth Muscle Cells, 1617
Monocyte Chemoattractant Protein-1 Induces Proliferation and Interleukin-6 Production in Human Smooth Muscle Cells by Differential Activation of Nuclear Factor-κB and Activator Protein-1, 914
Propagermanium Reduces Atherosclerosis in Apolipoprotein E Knockout Mice via Inhibition of Macrophage Infiltration, 969
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194
Monocytes
Increased Monocyte Adhesion to Aortic Endothelium in Rats With Hyperhomocysteinemia: Role of Chemokine and Adhesion Molecules, 1777
Monocytes/macrophages
Atorvastatin Preferentially Reduces LDL-Associated Platelet-Activating Factor Acetylhydrolase Activity in Dyslipidemias of Type IIA and Type IIB, 306
Mortality
Elevated Fibrinogen and Homocysteine Levels Enhance the Risk of Mortality in Patients From a High-Risk Preventive Cardiology Clinic, 1042
Mouse
Characteristics of Intact and Ruptured Atherosclerotic Plaques in Brachiocephalic Arteries of Apolipoprotein E Knockout Mice, 788
Quantitative Trait Loci and Candidate Genes Regulating HDL Cholesterol: A Murine Chromosome Map, 1390
Mouse embryonic fibroblasts
Differential Role of Heparan Sulfate Proteoglycans on Aggregated LDL Uptake in Human Vascular Smooth Muscle Cells and Mouse Embryonic Fibroblasts, 1905
Mouse genetics
Distinction in Genetic Determinants for Injury-Induced Neointimal Hyperplasia and Diet-Induced Atherosclerosis in Inbred Mice, 955

MRI
MRI and Characterization of Atherosclerotic Plaque: Emerging Applications and Molecular Imaging, 1065
Myocardial infarction
Female Hormones and Thrombosis, 201
Genome-Wide Linkage Analysis of the Acute Coronary Syndrome Suggests a Locus on Chromosome 2, 874
Increased Platelet-Collagen Interaction Associated With Double Homozygosity for Receptor Polymorphisms of Platelet GPIa and GPIIIa, 2093
Plasma Thrombin-Activatable Fibrinolysis Inhibitor Antigen Concentration and Genotype in Relation to Myocardial Infarction in the North and South of Europe, 867
Myocytes
Microsomal Triglyceride Transfer Protein Gene Expression and Triglyceride Accumulation in Hypoxic Human Hearts, 1489
Myogenesis
Improvement of Collateral Perfusion and Regional Function by Implantation of Peripheral Blood Mononuclear Cells Into Ischemic Hibernating Myocardium, 1804
Myopathies
Excessive Microvascular Adaptation to Changes in Blood Flow in Mice Lacking Gene Encoding for Desmin, 1579
Myosin
Heterogeneity of Smooth Muscle Cell Populations Cultured From Pig Coronary Artery, 1093

N

***N*-acetylcysteine**
Altered Tetrahydrobiopterin Metabolism in Atherosclerosis: Implications for Use of Oxidized Tetrahydrobiopterin Analogues and Thiol Antioxidants, 1655
N-cadherin
N-Cadherin Upregulation and Function in Response of Smooth Muscle Cells to Arterial Injury, 1972
NAD(P)H oxidase
Cellular Antioxidant Effects of Atorvastatin In Vitro and In Vivo, 300
Oxidative Stress in Human Abdominal Aortic Aneurysms: A Potential Mediator of Aneurysmal Remodeling, 560
The Reactive Adventitia: Fibroblast Oxidase in Vascular Function, 1962
Upregulation of Nox-Based NAD(P)H Oxidases in Restenosis After Carotid Injury, 21
NADPH oxidoreductase
The Reactive Adventitia: Fibroblast Oxidase in Vascular Function, 1962
Natural immunity
Inflammation in Atherosclerosis: Lesion Formation in LDL Receptor-Deficient Mice With Perforin and *Lyst*^{beige} Mutations, 1341
Near-infrared imaging
In Vivo Imaging of Thrombin Activity in Experimental Thrombi With Thrombin-Sensitive Near-Infrared Molecular Probe, 1929
Neointima
Bone Marrow-Derived Progenitor Cells Modulate Vascular Reendothelialization and Neointimal Formation: Effect of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibition, 1567
Endogenous Vitronectin and Plasminogen Activator Inhibitor-1 Promote Neointima Formation in Murine Carotid Arteries, 934
Expression Profiling Identifies 147 Genes Contributing to a Unique Primate Neointimal Smooth Muscle Cell Phenotype, 2010
Inhibitory Effect on Arterial Injury-Induced Neointimal Formation by Adoptive B-Cell Transfer in Rag-1 Knockout Mice, 644
N-Cadherin Upregulation and Function in Response of Smooth Muscle Cells to Arterial Injury, 1972
Tranilast Prevents Activation of Transforming Growth Factor-β System, Leukocyte Accumulation, and Neointimal Growth in Porcine Coronary Arteries After Stenting, 940
Neointimal formation
Upregulation of Nox-Based NAD(P)H Oxidases in Restenosis After Carotid Injury, 21
Neointimal hyperplasia
Both Apolipoprotein E and Immune Deficiency Exacerbate Neointimal Hyperplasia After Vascular Injury in Mice, 450
Inhibition of Vascular Smooth Muscle Cell Proliferation, Migration, and Survival by the Tumor Suppressor Protein PTEN, 745
Resistance to Neointimal Hyperplasia and Fatty Streak Formation in Mice With Adrenomedullin Overexpression, 1310
Neural AT2R
Angiotensin II Type 1 and 2 Receptors in Conduit Arteries of Normal Developing Microswine, 1113
Neutral endopeptidase inhibitors
Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions, 1824
Nitric oxide
Adrenoceptor Hyporeactivity Is Responsible for *Escherichia coli* Endotoxin-Induced Acute Vascular Dysfunction in Humans, 95
Altered Tetrahydrobiopterin Metabolism in Atherosclerosis: Implications for Use of Oxidized Tetrahydrobiopterin Analogues and Thiol Antioxidants, 1655
Beneficial Effects of NO-Releasing Derivative of Flurbiprofen (HCT-1026) in Rat Model of Vascular Injury and Restenosis, 263
cAMP Signal Transduction, A Potential Compensatory Pathway for Coronary Endothelial NO Production After Heart Failure, 1273
Cellular Redox State and Endothelial Dysfunction in Mildly Hyperhomocysteinemic Cystathionine β-Synthase-Deficient Mice, 34
Chronic Exercise Improves Endothelial Calcium Signaling and Vasodilatation in Hypercholesterolemic Rabbit Femoral Artery, 1219
Comparative Effects of Diet and Statin on NO Bioactivity and Matrix Metalloproteinases in Hypercholesterolemic Patients With Coronary Artery Disease, 1451
Deficiency of Glutathione Peroxidase-1 Sensitizes Hyperhomocysteinemic Mice to Endothelial Dysfunction, 1996
Divergence of Angiogenic and Vascular Permeability Signaling by VEGF: Inhibition of Protein Kinase C Suppresses VEGF-Induced Angiogenesis, but Promotes VEGF-Induced, NO-Dependent Vascular Permeability, 901
Endothelial Determinants of Dendritic Cell Adhesion and Migration: New Implications for Vascular Diseases, 1817
Human Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis Requires NO Enhancement of Fas/Fas-L Interactions, 1624
Hypercholesterolemia Enhances Thromboembolism in Arterioles but Not Venules: Complete Reversal by L-Arginine, 680
Inhibition of Platelet-Collagen Interaction: An In Vivo Action of Insulin Abolished by Insulin Resistance in Obesity, 167
Intensive Lipid Lowering by Statin Therapy Does Not Improve Vasoreactivity in Patients With Type 2 Diabetes, 799
Pulse-Wave Analysis: Clinical Evaluation of a Noninvasive, Widely Applicable Method for Assessing Endothelial Function, 147
Nitric oxide synthase
T-786C Polymorphism in Endothelial NO Synthase Gene Affects Cerebral Circulation in Smokers: Possible Gene-Environmental Interaction, 605
NO synthase III uncoupling
Detection of Superoxide in Vascular Tissue, 1761
Nox
Upregulation of Nox-Based NAD(P)H Oxidases in Restenosis After Carotid Injury, 21
Nox4
Cytochrome b_{558}-Dependent NAD(P)H Oxidase-Phox Units in Smooth Muscle and Macrophages of Atherosclerotic Lesions, 2037
NSAIDs
Beneficial Effects of NO-Releasing Derivative of Flurbiprofen (HCT-1026) in Rat Model of Vascular Injury and Restenosis, 263
Nuclear factor-κB
Aspirin Inhibits *Chlamydia pneumoniae*-Induced Nuclear Factor-κB Activation, Cytokine Expression, and Bacterial Development in Human Endothelial Cells, 1075
Growth Factors Enhance Interleukin-1β-Induced Persistent Activation of Nuclear Factor-κB in Rat Vascular Smooth Muscle Cells, 1811
Monocyte Chemoattractant Protein-1 Induces Proliferation and Interleukin-6 Production in Human Smooth Muscle Cells by Differential Activation of Nuclear Factor-κB and Activator Protein-1, 914
Role of Nuclear Factor-κB Activation in Metalloproteinase-1, -3, and -9 Secretion by Human Macrophages In Vitro and Rabbit Foam Cells Produced In Vivo, 765

Nuclear receptors
Pleiotropic Actions of Peroxisome Proliferator-Activated Receptors in Lipid Metabolism and Atherosclerosis, 717

O

Obesity
Inhibition of Platelet-Collagen Interaction: An In Vivo Action of Insulin Abolished by Insulin Resistance in Obesity, 167
Matrix Metalloproteinase Inhibition Impairs Adipose Tissue Development in Mice, 374
Relationship Between Cholesteryl Ester Transfer Protein and Atherogenic Lipoprotein Profile in Morbidly Obese Women, 1465
Stromal Cells Are the Main Plasminogen Activator Inhibitor-1-Producing Cells in Human Fat: Evidence of Differences Between Visceral and Subcutaneous Deposits, 173
Optical fluorescence
In Vivo Imaging of Thrombin Activity in Experimental Thrombi With Thrombin-Sensitive Near-Infrared Molecular Probe, 1929
Oral contraceptives
Female Hormones and Thrombosis, 201
Osteoporosis
RANK Ligand and Osteoprotegerin: Paracrine Regulators of Bone Metabolism and Vascular Function, 549
Osteoprotegerin
RANK Ligand and Osteoprotegerin: Paracrine Regulators of Bone Metabolism and Vascular Function, 549
Outcomes
Coronary Flow Velocity and Disturbed Flow Predict Adverse Clinical Outcome After Coronary Angioplasty, 1334
Overweight
Effects of Continuous Combined Hormone Replacement Therapy on Inflammation in Hypertensive and/or Overweight Postmenopausal Women, 1459
Oxidative stress
Angiotensin II Type 1 Receptor Antagonism Improves Hypercholesterolemia-Associated Endothelial Dysfunction, 1208
Cellular Redox State and Endothelial Dysfunction in Mildly Hyperhomocysteinemic Cystathionine β-Synthase-Deficient Mice, 34
Effect of Dexrazoxane on Homocysteine-Induced Endothelial Dysfunction in Normal Subjects, 1128
Greater Oxidative Stress in Healthy Young Men Compared With Premenopausal Women, 438
Heme Oxygenase-1 Gene Promoter Polymorphism Is Associated With Coronary Artery Disease in Japanese Patients With Coronary Risk Factors, 1680
Role of Isoprenylcysteine Carboxyl Methyltransferase in Tumor Necrosis Factor-α Stimulation of Expression of Vascular Cell Adhesion Molecule-1 in Endothelial Cells, 759
Oxidized LDL
Circulating Autoantibodies to Oxidized LDL Correlate With Impaired Coronary Endothelial Function After Cardiac Transplantation, 2044
Circulating Oxidized LDL Is Associated With Subclinical Atherosclerosis Development and Inflammatory Cytokines (AIR Study), 1162
Fluorescence Analysis of Biochemical Constituents Identifies Atherosclerotic Plaque With a Thin Fibrous Cap, 1002
Novel 5′ Exon of Scavenger Receptor CD36 Is Expressed in Cultured Human Vascular Smooth Muscle Cells and Atherosclerotic Plaques, 412
Oxidized LDL in Carotid Plaques and Plasma Associates With Plaque Instability, 1649
Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways, 1990
Oxidized lipids
Oxidized Cholesteryl Linoleates Stimulate Endothelial Cells to Bind Monocytes via the Extracellular Signal-Regulated Kinase 1/2 Pathway, 581
Oxidized phospholipids
Oxidized Membrane Vesicles and Blebs From Apoptotic Cells Contain Biologically Active Oxidized Phospholipids That Induce Monocyte-Endothelial Interactions, 101
Sol Sherry Lecture in Thrombosis: Molecular Events in Acute Inflammation, 727
Oxysterols
ATP-Binding Cassette Transporter 1 Participates in LDL Oxidation by Artery Wall Cells, 1877

P

P-selectin
Administration of Recombinant P-Selectin Glycoprotein Ligand Fc Fusion Protein Suppresses Inflammation and Neointimal Formation in Zucker Diabetic Rat Model, 1598
Cellular Redox State and Endothelial Dysfunction in Mildly Hyperhomocysteinemic Cystathionine β-Synthase-Deficient Mice, 34
P21(WAF1/CIP1)
Interleukin-1β Inhibits Expression of p21(WAF1/CIP1) and p27(KIP1) and Enhances Proliferation in Response to Platelet-Derived Growth Factor-BB in Smooth Muscle Cells, 1293
P27(KIP1)
Interleukin-1β Inhibits Expression of p21(WAF1/CIP1) and p27(KIP1) and Enhances Proliferation in Response to Platelet-Derived Growth Factor-BB in Smooth Muscle Cells, 1293
$P70^{s6k}$
Inhibition of Vascular Smooth Muscle Cell Proliferation, Migration, and Survival by the Tumor Suppressor Protein PTEN, 745
PAR-1
PAR-4 Agonist AYPGKF Stimulates Thromboxane Production by Human Platelets, 861
PAR-4
PAR-4 Agonist AYPGKF Stimulates Thromboxane Production by Human Platelets, 861
Paraoxonase
Atorvastatin Preferentially Reduces LDL-Associated Platelet-Activating Factor Acetylhydrolase Activity in Dyslipidemias of Type IIA and Type IIB, 306
Vitamin C and E Intake Is Associated With Increased Paraoxonase Activity, 1329
Pentraxin 3
Production of the Long Pentraxin PTX3 in Advanced Atherosclerotic Plaques, 781
Perforin
Inflammation in Atherosclerosis: Lesion Formation in LDL Receptor-Deficient Mice With Perforin and *Lyst*^{beige} Mutations, 1341
Peripheral blood mononuclear cells
Folic Acid Treatment Reduces Chemokine Release From Peripheral Blood Mononuclear Cells in Hyperhomocysteinemic Subjects, 699
Peroxidase activity
Peroxidase Properties of Extracellular Superoxide Dismutase: Role of Uric Acid in Modulating In Vivo Activity, 1402
Peroxide
Deficiency of Glutathione Peroxidase-1 Sensitizes Hyperhomocysteinemic Mice to Endothelial Dysfunction, 1996
Pharmacology
Mouse Genetic Evidence That Tranilast Reduces Smooth Muscle Cell Hyperplasia via a $p21^{WAF1}$-Dependent Pathway, 1305
Phosphatidylinositol 3-kinase
Inhibition of Vascular Smooth Muscle Cell Proliferation, Migration, and Survival by the Tumor Suppressor Protein PTEN, 745
Insulin Inhibits Apoptosis of Macrophage Cell Line, THP-1 Cells, via Phosphatidylinositol-3-Kinase-Dependent Pathway, 380
Phosphatidylserine
Platelets and Thrombin Generation, 1381
Phosphoinositide 3-kinase
Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways, 1990
Phospholipase
Human Secretory Phospholipase A_2 Mediates Decreased Plasma Levels of HDL Cholesterol and ApoA-I in Response to Inflammation in Human ApoA-I Transgenic Mice, 1213
Quantitative Trait Loci Influencing Blood and Liver Cholesterol Concentration in Rats, 2072

Phytoestrogens
Higher Usual Dietary Intake of Phytoestrogens Is Associated With Lower Aortic Stiffness in Postmenopausal Women, 1316
The Atheroprotective Effect of Dietary Soy Isoflavones in Apolipoprotein E−/− Mice Requires the Presence of Estrogen Receptor-α, 1859
PI^A polymorphism
PI^A Polymorphism of Integrin β_3 Differentially Modulates Cellular Migration on Extracellular Matrix Proteins, 1984
Plaque
Characteristics of Intact and Ruptured Atherosclerotic Plaques in Brachiocephalic Arteries of Apolipoprotein E Knockout Mice, 788
Circulating Oxidized LDL Is Associated With Subclinical Atherosclerosis Development and Inflammatory Cytokines (AIR Study), 1162
Expression of G2A, a Receptor for Lysophosphatidylcholine, by Macrophages in Murine, Rabbit, and Human Atherosclerotic Plaques, 2049
Fluorescence Analysis of Biochemical Constituents Identifies Atherosclerotic Plaque With a Thin Fibrous Cap, 1002
MRI and Characterization of Atherosclerotic Plaque: Emerging Applications and Molecular Imaging, 1065
Oxidized LDL in Carotid Plaques and Plasma Associates With Plaque Instability, 1649
Plaque rupture
Experimental Rupture of Atherosclerotic Lesions Increases Distal Vascular Resistance: A Limiting Factor to the Success of Infarct Angioplasty, 153
Human Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis Requires NO Enhancement of Fas/Fas-L Interactions, 1624
Plaque stability
Comparative Effects of Diet and Statin on NO Bioactivity and Matrix Metalloproteinases in Hypercholesterolemic Patients With Coronary Artery Disease, 1451
Simvastatin Promotes Atherosclerotic Plaque Stability in ApoE-Deficient Mice Independently of Lipid Lowering, 1832
Plasma
Oxidized LDL in Carotid Plaques and Plasma Associates With Plaque Instability, 1649
Plasma lipoproteins
Alcohol-Extracted, but Not Intact, Dietary Soy Protein Lowers Lipoprotein(a) Markedly, 312
Plasmin
Expression and Localization of Tissue Factor Pathway Inhibitor-2 in Normal and Atherosclerotic Human Vessels, 218
Plasmin Induces *Cyr61* Gene Expression in Fibroblasts Via Protease-Activated Receptor-1 and p44/42 Mitogen-Activated Protein Kinase-Dependent Signaling Pathway, 1421
Plasminogen
Hemostatic Factors as Predictors of Coronary Events and Total Mortality: The FINRISK '92 Hemostasis Study, 353
Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts, 400
Lp(a) Particles Mold Fibrin-Binding Properties of Apo(a) in Size-Dependent Manner: A Study With Different-Length Recombinant Apo(a), Native Lp(a), and Monoclonal Antibody, 1232
Plasminogen activator inhibitor 1
Endogenous Vitronectin and Plasminogen Activator Inhibitor-1 Promote Neointima Formation in Murine Carotid Arteries, 934
Induction of Plasminogen Activator Inhibitor-1 in Endothelial Cells by Basic Fibroblast Growth Factor and Its Modulation by Fibric Acid, 855
Lack of Plasminogen Activator Inhibitor-1 Promotes Growth and Abnormal Matrix Remodeling of Advanced Atherosclerotic Plaques in Apolipoprotein E-Deficient Mice, 499
Plasminogen Activator Inhibitor 1 and Vitronectin Protect Against Stenosis in a Murine Carotid Artery Ligation Model, 1978
Platelet
Increased Platelet-Collagen Interaction Associated With Double Homozygosity for Receptor Polymorphisms of Platelet GPIa and GPIIIa, 2093
The Influence of Platelet Collagen Receptor Polymorphisms in Hemostasis and Thrombotic Disease, 14
Platelet adhesion
Platelet Shape Changes and Adhesion Under High Shear Flow, 329
Role of ADP Receptor $P2Y_{12}$ in Platelet Adhesion and Thrombus Formation in Flowing Blood, 686
Platelet aggregation
Depolarization of Endothelial Cells Enhances Platelet Aggregation Through Oxidative Inactivation of Endothelial NTPDase, 2003
Platelet function
Rho-GTPase-Dependent Platelet-Neutrophil Interaction Affected by HMG-CoA Reductase Inhibition With Altered Adenosine Nucleotide Release and Function, 1029
Platelet glycoprotein Ib
Inhibition of Platelet Glycoprotein Ib, Glycoprotein IIb/IIIa, or Both by Monoclonal Antibodies Prevents Arterial Thrombosis in Baboons, 323
Platelet glycoprotein IIb/IIIa
Inhibition of Platelet Glycoprotein Ib, Glycoprotein IIb/IIIa, or Both by Monoclonal Antibodies Prevents Arterial Thrombosis in Baboons, 323
Platelet-activating factor
Sol Sherry Lecture in Thrombosis: Molecular Events in Acute Inflammation, 727
Platelet-activating factor acetylhydrolase
Atorvastatin Preferentially Reduces LDL-Associated Platelet-Activating Factor Acetylhydrolase Activity in Dyslipidemias of Type IIA and Type IIB, 306
Platelet-derived factors
Thrombospondin-1 Mediates Smooth Muscle Cell Proliferation Induced by Interaction With Human Platelets, 1286
Platelet-derived growth factor
Different Effects of High and Low Shear Stress on Platelet-Derived Growth Factor Isoform Release by Endothelial Cells: Consequences for Smooth Muscle Cell Migration, 405
Effects of Dominant-Negative c-Jun on Platelet-Derived Growth Factor-Induced Vascular Smooth Muscle Cell Proliferation, 82
Fibrillar Collagen Regulation of Plasminogen Activator Inhibitor-1 Is Involved in Altered Smooth Muscle Cell Migration, 1573
Interleukin-1β Inhibits Expression of p21(WAF1/CIP1) and p27(KIP1) and Enhances Proliferation in Response to Platelet-Derived Growth Factor-BB in Smooth Muscle Cells, 1293
Platelet-derived growth factor receptors
Different Effects of High and Low Shear Stress on Platelet-Derived Growth Factor Isoform Release by Endothelial Cells: Consequences for Smooth Muscle Cell Migration, 405
Platelets
Antithrombotic Effect of Tissue Factor Inhibition by Inactivated Factor VIIa: An Ex Vivo Human Study, 1036
Application of Ex Vivo Flow Chamber System for Assessment of Stent Thrombosis, 1360
Characterization of Human Glycoprotein VI Gene 5′ Regulatory and Promoter Regions, 1733
Factors Contributing to Individual Propensity for Arterial Thrombosis, 1495
Influence of Anatomical Location on Arterial Thrombosis, 342
PAR-4 Agonist AYPGKF Stimulates Thromboxane Production by Human Platelets, 861
Pharmacokinetics and Pharmacodynamics of AJW200, a Humanized Monoclonal Antibody to von Willebrand Factor, in Monkeys, 187
Platelets and Thrombin Generation, 1381
Rho-GTPase-Dependent Platelet-Neutrophil Interaction Affected by HMG-CoA Reductase Inhibition With Altered Adenosine Nucleotide Release and Function, 1029
Plethysmography
Intensive Lipid Lowering by Statin Therapy Does Not Improve Vasoreactivity in Patients With Type 2 Diabetes, 799
Polymorphism
Association Between the PPARA L162V Polymorphism and Plasma Lipid Levels: The Framingham Offspring Study, 805
Association of Estrogen Receptor-α Gene Polymorphisms With Coronary Artery Disease in Patients With Familial Hypercholesterolemia, 817
Cholesteryl Ester Transfer Protein *Taq*I B2B2 Genotype Is Associated With Higher HDL Cholesterol Levels and Lower Risk of Coronary Heart Disease End Points in Men With HDL Deficiency: Veterans Affairs HDL Cholesterol Intervention Trial, 1148

Contribution of Hepatic Lipase, Lipoprotein Lipase, and Cholesteryl Ester Transfer Protein to LDL and HDL Heterogeneity in Healthy Women, 667
Genetic Contribution to Circulating Levels of Hemostatic Factors in Healthy Families With Effects of Known Genetic Polymorphisms on Heritability, 506
Heme Oxygenase-1 Gene Promoter Polymorphism Is Associated With Coronary Artery Disease in Japanese Patients With Coronary Risk Factors, 1680
Increased Platelet-Collagen Interaction Associated With Double Homozygosity for Receptor Polymorphisms of Platelet GPIa and GPIIIa, 2093
T-786C Polymorphism in Endothelial NO Synthase Gene Affects Cerebral Circulation in Smokers: Possible Gene-Environmental Interaction, 605
Thrombospondin-2 Polymorphism Is Associated With a Reduced Risk of Premature Myocardial Infarction, 2092
Val64Ile Polymorphism in the C-C Chemokine Receptor 2 Is Associated With Reduced Coronary Artery Calcification, 1924

Postmenopausal women
Higher Usual Dietary Intake of Phytoestrogens Is Associated With Lower Aortic Stiffness in Postmenopausal Women, 1316

Posttranscriptional regulation
Transcriptional and Posttranscriptional Regulation of Cyclooxygenase-2 Expression by Fluid Shear Stress in Vascular Endothelial Cells, 1415

Potassium channels
C-Reactive Protein Relaxes Human Vessels In Vitro, 1865

PPARα
Association Between the PPARA L162V Polymorphism and Plasma Lipid Levels: The Framingham Offspring Study, 805

Pravastatin
Interleukin-6 −174G>C Polymorphism and Risk of Coronary Heart Disease in West of Scotland Coronary Prevention Study (WOSCOPS), 599

Pre-β_1-HDL
Delineation of the Role of Pre-β_1-HDL in Cholesterol Efflux Using Isolated Pre-β_1-HDL, 1482

Preintrusive atherosclerosis
Increased Carotid Artery Intima-Media Thickness in Subjects With Primary Hypoalphalipoproteinemia, 317

Premature coronary artery disease
Thrombospondin-2 Polymorphism Is Associated With a Reduced Risk of Premature Myocardial Infarction, 2092

Premature myocardial infarction
Thrombospondin-2 Polymorphism Is Associated With a Reduced Risk of Premature Myocardial Infarction, 2092

Programmed cell death
Divergence of Angiogenic and Vascular Permeability Signaling by VEGF: Inhibition of Protein Kinase C Suppresses VEGF-Induced Angiogenesis, but Promotes VEGF-Induced, NO-Dependent Vascular Permeability, 901

Proinflammatory response
Role of Heat Shock Proteins in Atherosclerosis, 1547

Proliferation
Activation of Big Mitogen-Activated Protein Kinase-1 Regulates Smooth Muscle Cell Replication, 394
Effects of Dominant-Negative c-Jun on Platelet-Derived Growth Factor-Induced Vascular Smooth Muscle Cell Proliferation, 82
Mouse Genetic Evidence That Tranilast Reduces Smooth Muscle Cell Hyperplasia via a $p21^{WAF1}$-Dependent Pathway, 1305
Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways, 1990
Purinergic Signaling and Vascular Cell Proliferation and Death, 364

Proline-rich tyrosine kinase
Fluid Shear Stress Activates Proline-Rich Tyrosine Kinase via Reactive Oxygen Species-Dependent Pathway, 1790

Promoter variant
Common Promoter Variant in Cyclooxygenase-2 Represses Gene Expression: Evidence of Role in Acute-Phase Inflammatory Response, 1631

Promoters
Association of Estrogen Receptor-α Gene Polymorphisms With Coronary Artery Disease in Patients With Familial Hypercholesterolemia, 817
Induction of Plasminogen Activator Inhibitor-1 in Endothelial Cells by Basic Fibroblast Growth Factor and Its Modulation by Fibric Acid, 855

Prospective study
Protein C, Antithrombin, and Venous Thromboembolism Incidence: A Prospective Population-Based Study, 1018
Value of HDL Cholesterol, Apolipoprotein A-I, Lipoprotein A-I, and Lipoprotein A-I/A-II in Prediction of Coronary Heart Disease: The PRIME Study, 1155

Prostacyclin
Cyclooxygenase-2-Dependent Prostacyclin Formation Is Regulated by Low Density Lipoprotein Cholesterol In Vitro, 983
Prostacyclin Synthase Gene Transfer Modulates Cyclooxygenase-2-Derived Prostanoid Synthesis and Inhibits Neointimal Formation in Rat Balloon-Injured Arteries, 256

Protease-activated receptors
Plasmin Induces *Cyr61* Gene Expression in Fibroblasts Via Protease-Activated Receptor-1 and p44/42 Mitogen-Activated Protein Kinase-Dependent Signaling Pathway, 1421

Proteases
Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions, 1824

Protein C
Factor V and Thrombotic Disease: Description of a Janus-Faced Protein, 530
Protein C, Antithrombin, and Venous Thromboembolism Incidence: A Prospective Population-Based Study, 1018

Protein kinase B
cAMP Signal Transduction, A Potential Compensatory Pathway for Coronary Endothelial NO Production After Heart Failure, 1273

Protein kinase C inhibitor
Divergence of Angiogenic and Vascular Permeability Signaling by VEGF: Inhibition of Protein Kinase C Suppresses VEGF-Induced Angiogenesis, but Promotes VEGF-Induced, NO-Dependent Vascular Permeability, 901

Protein trafficking
The Von Willebrand Factor Propeptide (VWFpp) Traffics an Unrelated Protein to Storage, 921

Proteoglycan
Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts, 400

Proteoglycans
Accumulation of Biglycan and Perlecan, but Not Versican, in Lesions of Murine Models of Atherosclerosis, 462
Differential Accumulation of Proteoglycans and Hyaluronan in Culprit Lesions: Insights Into Plaque Erosion, 1642
Proteoglycans Synthesized by Arterial Smooth Muscle Cells in the Presence of Transforming Growth Factor-β1 Exhibit Increased Binding to LDLs, 55

PTEN
Inhibition of Vascular Smooth Muscle Cell Proliferation, Migration, and Survival by the Tumor Suppressor Protein PTEN, 745

PTX3
Long Pentraxin PTX3 Upregulates Tissue Factor Expression in Human Endothelial Cells: A Novel Link Between Vascular Inflammation and Clotting Activation, 782

Pulmonary embolus
Protein C, Antithrombin, and Venous Thromboembolism Incidence: A Prospective Population-Based Study, 1018

Pulse-wave analysis
Pulse-Wave Analysis: Clinical Evaluation of a Noninvasive, Widely Applicable Method for Assessing Endothelial Function, 147

Purinergic signaling
Purinergic Signaling and Vascular Cell Proliferation and Death, 364

Q

Quantitative autoradiography
Angiotensin II Type 1 and 2 Receptors in Conduit Arteries of Normal Developing Microswine, 1113

Quantitative fluorescence microscopy
Apolipoprotein E and Lipoprotein Lipase Increase Triglyceride-Rich Particle Binding but Decrease Particle Penetration in Arterial Wall, 2080

Quantitative trait loci
Quantitative Trait Loci and Candidate Genes Regulating HDL Cholesterol: A Murine Chromosome Map, 1390
Quantitative Trait Loci Influencing Blood and Liver Cholesterol Concentration in Rats, 2072

R

Rabbits
Curcuma longa Extract Supplementation Reduces Oxidative Stress and Attenuates Aortic Fatty Streak Development in Rabbits, 1225
Metabolism of ApoA-I as Lipid-Free Protein or as Component of Discoidal and Spherical Reconstituted HDLs: Studies in Wild-Type and Hepatic Lipase Transgenic Rabbits, 1912
Race
Racial Differences in Coronary Artery Calcification in Older Adults, 424
Saphenous Vein Endothelin System Expression and Activity in African American Patients, 1122
Rag-1 knockout mice
Inhibitory Effect on Arterial Injury-Induced Neointimal Formation by Adoptive B-Cell Transfer in Rag-1 Knockout Mice, 644
Randomized trial
Total Homocysteine Lowering Treatment Among Coronary Artery Disease Patients in the Era of Folic Acid-Fortified Cereal Grain Flour, 488
RANK ligand
RANK Ligand and Osteoprotegerin: Paracrine Regulators of Bone Metabolism and Vascular Function, 549
Rap1
Cyclic AMP Raises Intracellular Ca^{2+} in Human Megakaryocytes Independent of Protein Kinase A, 179
Rat
Hyperhomocysteinemia Evoked by Folate Depletion: Effects on Coronary and Carotid Arterial Function, 772
Quantitative Trait Loci Influencing Blood and Liver Cholesterol Concentration in Rats, 2072
Reactive oxygen species
Cellular Antioxidant Effects of Atorvastatin In Vitro and In Vivo, 300
Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms, 2017
Fluid Shear Stress Activates Proline-Rich Tyrosine Kinase via Reactive Oxygen Species-Dependent Pathway, 1790
Lysophosphatidylcholine Activates Extracellular Signal-Regulated Kinases 1/2 Through Reactive Oxygen Species in Rat Vascular Smooth Muscle Cells, 752
Role of Mitochondrial Oxidant Generation in Endothelial Cell Responses to Hypoxia, 566
Xanthine Oxidase-Derived Reactive Oxygen Species Convert Flow-Induced Arteriolar Dilation to Constriction in Hyperhomocysteinemia: Possible Role of Peroxynitrite, 28
Real-time polymerase chain reaction
Quantification of mRNA for Endothelial NO Synthase in Mouse Blood Vessels by Real-Time Polymerase Chain Reaction, 611
Stromal Cells Are the Main Plasminogen Activator Inhibitor-1-Producing Cells in Human Fat: Evidence of Differences Between Visceral and Subcutaneous Deposits, 173
Receptor subtype
Saphenous Vein Endothelin System Expression and Activity in African American Patients, 1122
Receptors
Combined Endothelin Receptor Blockade Evokes Enhanced Vasodilatation in Patients With Atherosclerosis, 674
Effect of Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling in Angiotensin II Type 2 Receptor Null Mice, 49
Expression of G2A, a Receptor for Lysophosphatidylcholine, by Macrophages in Murine, Rabbit, and Human Atherosclerotic Plaques, 2049
Increased Platelet-Collagen Interaction Associated With Double Homozygosity for Receptor Polymorphisms of Platelet GPIa and GPIIIa, 2093
Reconstituted HDL
Mast Cell Chymase Degrades ApoE and ApoA-II in ApoA-I-Knockout Mouse Plasma and Reduces Its Ability to Promote Cellular Cholesterol Efflux, 1475
Regional blood flow
Combined Endothelin Receptor Blockade Evokes Enhanced Vasodilatation in Patients With Atherosclerosis, 674
Regulator of G-protein signaling-5
Expression Profiling Identifies 147 Genes Contributing to a Unique Primate Neointimal Smooth Muscle Cell Phenotype, 2010
Remodeling
The Reactive Adventitia: Fibroblast Oxidase in Vascular Function, 1962
Remote preconditioning
Spontaneous Ischemic Events in the Brain and Heart Adapt the Hearts of Severely Atherosclerotic Mice to Ischemia, 995
Renin-angiotensin system
Inhibition of Renin-Angiotensin System Ameliorates Endothelial Dysfunction Associated With Aging in Rats, 1445
Restenosis
Administration of Recombinant P-Selectin Glycoprotein Ligand Fc Fusion Protein Suppresses Inflammation and Neointimal Formation in Zucker Diabetic Rat Model, 1598
Beneficial Effects of NO-Releasing Derivative of Flurbiprofen (HCT-1026) in Rat Model of Vascular Injury and Restenosis, 263
CCAAT/Enhancer-Binding Protein Decoy Oligodeoxynucleotide Inhibition of Macrophage-Rich Vascular Lesion Formation in Hypercholesterolemic Rabbits, 949
Differential Gene Expression in Vascular Smooth Muscle Cells in Primary Atherosclerosis and In Stent Stenosis in Humans, 2030
Distinction in Genetic Determinants for Injury-Induced Neointimal Hyperplasia and Diet-Induced Atherosclerosis in Inbred Mice, 955
Heterogeneity of Smooth Muscle Cell Populations Cultured From Pig Coronary Artery, 1093
Inflammation and Restenosis in the Stent Era, 1769
Low Molecular Weight Fucoidan Prevents Neointimal Hyperplasia in Rabbit Iliac Artery In-Stent Restenosis Model, 1604
Mechanical Stress Regulates Syndecan-4 Expression and Redistribution in Vascular Smooth Muscle Cells, 61
Metalloproteinase Inhibition and the Response to Angioplasty and Stenting in Atherosclerotic Primates, 161
Mouse Genetic Evidence That Tranilast Reduces Smooth Muscle Cell Hyperplasia via a $p21^{WAF1}$-Dependent Pathway, 1305
Plasminogen Activator Inhibitor 1 and Vitronectin Protect Against Stenosis in a Murine Carotid Artery Ligation Model, 1978
Prostacyclin Synthase Gene Transfer Modulates Cyclooxygenase-2-Derived Prostanoid Synthesis and Inhibits Neointimal Formation in Rat Balloon-Injured Arteries, 256
Regulation of Functions of Vascular Wall Cells by Tissue Factor Pathway Inhibitor: Basic and Clinical Aspects, 539
Retention
Lipoprotein Lipase in the Arterial Wall: Linking LDL to the Arterial Extracellular Matrix and Much More, 211
Reverse cholesterol transport
Delineation of the Role of Pre-β_1-HDL in Cholesterol Efflux Using Isolated Pre-β_1-HDL, 1482
Mast Cell Chymase Degrades ApoE and ApoA-II in ApoA-I-Knockout Mouse Plasma and Reduces Its Ability to Promote Cellular Cholesterol Efflux, 1475
Reynolds number
Coronary Flow Velocity and Disturbed Flow Predict Adverse Clinical Outcome After Coronary Angioplasty, 1334
Rho-kinase
Involvement of Rho-Kinase in Agonists-Induced Contractions of Arteriosclerotic Human Arteries, 243
RhoA
Cerivastatin, an Inhibitor of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase, Inhibits Endothelial Cell Proliferation Induced by Angiogenic Factors In Vitro and Angiogenesis in In Vivo Models, 623
Risk
Elevated Fibrinogen and Homocysteine Levels Enhance the Risk of Mortality in Patients From a High-Risk Preventive Cardiology Clinic, 1042
Risk factors
Association of C-Reactive Protein With Carotid Atherosclerosis in Men and Women: The Framingham Heart Study, 1662

Autoimmunity to Human Heat Shock Protein 60, *Chlamydia pneumoniae* Infection, and Inflammation in Predicting Coronary Risk, 431
Factor V Leiden, Hormone Replacement Therapy, and Risk of Venous Thromboembolic Events in Women With Coronary Disease, 1012
Heme Oxygenase-1 Gene Promoter Polymorphism Is Associated With Coronary Artery Disease in Japanese Patients With Coronary Risk Factors, 1680
Impact of Alcohol Intake on Measures of Lipid Metabolism Depends on Context Defined by Gender, Body Mass Index, Cigarette Smoking, and *Apolipoprotein E* Genotype, 824
Interrelationships Among Circulating Interleukin-6, C-Reactive Protein, and Traditional Cardiovascular Risk Factors in Women, 1668
Relation of Apo(a) Size to Carotid Atherosclerosis in an Elderly Multiethnic Population, 141

Ritonavir
HIV Protease Inhibitor Ritonavir Induces Cytotoxicity of Human Endothelial Cells, 1560

RNA-activated protein kinase
Contribution of Double-Stranded RNA-Activated Protein Kinase Toward Antiproliferative Actions of Heparin on Vascular Smooth Muscle Cells, 1439

Rupture
Characteristics of Intact and Ruptured Atherosclerotic Plaques in Brachiocephalic Arteries of Apolipoprotein E Knockout Mice, 788

S

Saturated fat
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852

Scavenger receptors
Novel 5′ Exon of Scavenger Receptor CD36 Is Expressed in Cultured Human Vascular Smooth Muscle Cells and Atherosclerotic Plaques, 412

Secondary prevention
Effect of Estrogen Plus Progestin on Progression of Carotid Atherosclerosis in Postmenopausal Women With Heart Disease: HERS B-Mode Substudy, 1692
Statin Therapy in Acute Coronary Syndromes: Mechanistic Insight Into Clinical Benefit, 1524

Selectins
Sol Sherry Lecture in Thrombosis: Molecular Events in Acute Inflammation, 727

Semicarbazide-sensitive amine oxidase
Semicarbazide-Sensitive Amine Oxidase in Vascular Smooth Muscle Cells: Differentiation-Dependent Expression and Role in Glucose Uptake, 89

Sepiapterin
Altered Tetrahydrobiopterin Metabolism in Atherosclerosis: Implications for Use of Oxidized Tetrahydrobiopterin Analogues and Thiol Antioxidants, 1655

Sepsis
Adrenoceptor Hyporeactivity Is Responsible for *Escherichia coli* Endotoxin-Induced Acute Vascular Dysfunction in Humans, 95

Serum cholesterol
Statins Reduce Inflammation in Atheroma of Nonhuman Primates Independent of Effects on Serum Cholesterol, 1452

Serum levels
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194

Sex
Quantification of mRNA for Endothelial NO Synthase in Mouse Blood Vessels by Real-Time Polymerase Chain Reaction, 611

Sex difference
Greater Oxidative Stress in Healthy Young Men Compared With Premenopausal Women, 438

Shape changes
Platelet Shape Changes and Adhesion Under High Shear Flow, 329

Shc
Vascular Endothelial Growth Factor Induces Shc Association With Vascular Endothelial Cadherin: A Potential Feedback Mechanism to Control Vascular Endothelial Growth Factor Receptor-2 Signaling, 617

Shear stress
Different Effects of High and Low Shear Stress on Platelet-Derived Growth Factor Isoform Release by Endothelial Cells: Consequences for Smooth Muscle Cell Migration, 405
Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms, 2017
Fluid Shear Stress Activates Proline-Rich Tyrosine Kinase via Reactive Oxygen Species-Dependent Pathway, 1790
Pharmacokinetics and Pharmacodynamics of AJW200, a Humanized Monoclonal Antibody to von Willebrand Factor, in Monkeys, 187
Pulsatile Flow-Induced Angiogenesis: Role of G_i Subunits, 1610
Shear Stress Activation of SREBP1 in Endothelial Cells Is Mediated by Integrins, 76
Shear Stress Induces Expression of Vascular Endothelial Growth Factor Receptor Flk-1/KDR Through the CT-Rich Sp1 Binding Site, 907
Shear Stress-Induced Endothelial Cell Migration Involves Integrin Signaling Via the Fibronectin Receptor Subunits α_5 and β_1, 69
Transcriptional and Posttranscriptional Regulation of Cyclooxygenase-2 Expression by Fluid Shear Stress in Vascular Endothelial Cells, 1415

SHP-1
Tumor Necrosis Factor-α Inhibits Growth Factor-Mediated Cell Proliferation Through SHP-1 Activation in Endothelial Cells, 238

Signal transduction
Characterization of Human Glycoprotein VI Gene 5′ Regulatory and Promoter Regions, 1733
Involvement of Endothelial Nitric Oxide in Sphingosine-1-Phosphate-Induced Angiogenesis, 108
Involvement of Rho-Kinase in Agonists-Induced Contractions of Arteriosclerotic Human Arteries, 243
Lysophosphatidylcholine Activates Extracellular Signal-Regulated Kinases 1/2 Through Reactive Oxygen Species in Rat Vascular Smooth Muscle Cells, 752
NO Attenuates Insulin Signaling and Motility in Aortic Smooth Muscle Cells via Protein Tyrosine Phosphatase 1B-Mediated Mechanism, 1086
Role of Mitochondrial Oxidant Generation in Endothelial Cell Responses to Hypoxia, 566

Signaling
Nonnuclear Actions of Estrogen, 1952

Small dense LDL
Diagnosis of Familial Combined Hyperlipidemia Based on Lipid Phenotype Expression in 32 Families: Results of a 5-Year Follow-Up Study, 274

Smoking
Haplotype-Specific Effects on Endothelial NO Synthase Promoter Efficiency: Modifiable by Cigarette Smoking, 743
Vitamin C and E Intake Is Associated With Increased Paraoxonase Activity, 1329

Smooth muscle
Altered Pattern of Vascular Connexin Expression in Atherosclerotic Plaques, 225
Cholesterol Depletion Disrupts Caveolae and Differentially Impairs Agonist-Induced Arterial Contraction, 1267
Connexin37 Is the Major Connexin Expressed in the Media of Caudal Artery, 1427
Differential Gene Expression in Vascular Smooth Muscle Cells in Primary Atherosclerosis and In Stent Stenosis in Humans, 2030
Estrogen Regulation of Endothelial and Smooth Muscle Cell Migration and Proliferation: Role of p38 and p42/44 Mitogen-Activated Protein Kinase, 1585
Excessive Microvascular Adaptation to Changes in Blood Flow in Mice Lacking Gene Encoding for Desmin, 1579
Interleukin-1β Inhibits Expression of p21(WAF1/CIP1) and p27(KIP1) and Enhances Proliferation in Response to Platelet-Derived Growth Factor-BB in Smooth Muscle Cells, 1293

Smooth muscle cells
Activation of Big Mitogen-Activated Protein Kinase-1 Regulates Smooth Muscle Cell Replication, 394

Different Effects of High and Low Shear Stress on Platelet-Derived Growth Factor Isoform Release by Endothelial Cells: Consequences for Smooth Muscle Cell Migration, 405
Differential Accumulation of Proteoglycans and Hyaluronan in Culprit Lesions: Insights Into Plaque Erosion, 1642
Distinction in Genetic Determinants for Injury-Induced Neointimal Hyperplasia and Diet-Induced Atherosclerosis in Inbred Mice, 955
Effects of Dominant-Negative c-Jun on Platelet-Derived Growth Factor-Induced Vascular Smooth Muscle Cell Proliferation, 82
Expression Profiling Identifies 147 Genes Contributing to a Unique Primate Neointimal Smooth Muscle Cell Phenotype, 2010
Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts, 400
Lipid Accumulation in Smooth Muscle Cells Under LDL Loading Is Independent of LDL Receptor Pathway and Enhanced by Hypoxic Conditions, 1712
Lysophosphatidylcholine Stimulates Monocyte Chemoattractant Protein-1 Gene Expression in Rat Aortic Smooth Muscle Cells, 1617
Mouse Genetic Evidence That Tranilast Reduces Smooth Muscle Cell Hyperplasia via a $p21^{WAF1}$-Dependent Pathway, 1305
Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions, 1824
Plasminogen Activator Inhibitor 1 and Vitronectin Protect Against Stenosis in a Murine Carotid Artery Ligation Model, 1978
Proteoglycans Synthesized by Arterial Smooth Muscle Cells in the Presence of Transforming Growth Factor-β1 Exhibit Increased Binding to LDLs, 55
Role of Src Homology 2-Containing Tyrosine Phosphatase 2 on Proliferation of Rat Smooth Muscle Cells, 1081
Semicarbazide-Sensitive Amine Oxidase in Vascular Smooth Muscle Cells: Differentiation-Dependent Expression and Role in Glucose Uptake, 89

Smooth muscle proliferation
CCR2 Deficiency Decreases Intimal Hyperplasia After Arterial Injury, 554

Smoothelin
Heterogeneity of Smooth Muscle Cell Populations Cultured From Pig Coronary Artery, 1093

Socioeconomic status
Life-Course Perspective on Socioeconomic Differences in Carotid Atherosclerosis, 1704

Soluble heat shock proteins
Role of Heat Shock Proteins in Atherosclerosis, 1547

Soluble vascular cell adhesion molecule-1
C-Reactive Protein and Soluble Vascular Cell Adhesion Molecule-1 Are Associated With Elevated Urinary Albumin Excretion but Do Not Explain Its Link With Cardiovascular Risk, 593

Soy
The Atheroprotective Effect of Dietary Soy Isoflavones in Apolipoprotein E−/− Mice Requires the Presence of Estrogen Receptor-α, 1859

Soy protein
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852

Spectroscopy
Fluorescence Analysis of Biochemical Constituents Identifies Atherosclerotic Plaque With a Thin Fibrous Cap, 1002

Spontaneously hypertensive rats
Cellular Antioxidant Effects of Atorvastatin In Vitro and In Vivo, 300

Src homology 2-containing phosphotyrosine phosphatase 2
Role of Src Homology 2-Containing Tyrosine Phosphatase 2 on Proliferation of Rat Smooth Muscle Cells, 1081

Stanniocalcin
Vascular Endothelial Growth Factor-Induced Genes in Human Umbilical Vein Endothelial Cells: Relative Roles of KDR and Flt-1 Receptors, 1797

Statins
Cellular Antioxidant Effects of Atorvastatin In Vitro and In Vivo, 300
Cerivastatin, an Inhibitor of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase, Inhibits Endothelial Cell Proliferation Induced by Angiogenic Factors In Vitro and Angiogenesis in In Vivo Models, 623
Fluvastatin Reduces Tissue Factor Expression and Macrophage Accumulation in Carotid Lesions of Cholesterol-Fed Rabbits in the Absence of Lipid Lowering, 692
Simvastatin Promotes Atherosclerotic Plaque Stability in ApoE-Deficient Mice Independently of Lipid Lowering, 1832
Simvastatin Reduces Expression of Cytokines Interleukin-6, Interleukin-8, and Monocyte Chemoattractant Protein-1 in Circulating Monocytes From Hypercholesterolemic Patients, 1194
Statin Therapy in Acute Coronary Syndromes: Mechanistic Insight Into Clinical Benefit, 1524
Statins Reduce Inflammation in Atheroma of Nonhuman Primates Independent of Effects on Serum Cholesterol, 1452

Stem cells
Cyclic AMP Raises Intracellular Ca^{2+} in Human Megakaryocytes Independent of Protein Kinase A, 179
Improvement of Collateral Perfusion and Regional Function by Implantation of Peripheral Blood Mononuclear Cells Into Ischemic Hibernating Myocardium, 1804

Stent thrombosis
Application of Ex Vivo Flow Chamber System for Assessment of Stent Thrombosis, 1360

Stenting
Inflammation and Restenosis in the Stent Era, 1769
Tranilast Prevents Activation of Transforming Growth Factor-β System, Leukocyte Accumulation, and Neointimal Growth in Porcine Coronary Arteries After Stenting, 940

Stents
Differential Gene Expression in Vascular Smooth Muscle Cells in Primary Atherosclerosis and In Stent Stenosis in Humans, 2030
Low Molecular Weight Fucoidan Prevents Neointimal Hyperplasia in Rabbit Iliac Artery In-Stent Restenosis Model, 1604
Metalloproteinase Inhibition and the Response to Angioplasty and Stenting in Atherosclerotic Primates, 161

Steroid hormones
Quantitative Trait Loci Influencing Blood and Liver Cholesterol Concentration in Rats, 2072

Sterol regulatory element-binding protein 1
Hepatic Fatty Acid Synthesis Is Suppressed in Mice With Fatty Livers Due to Targeted Apolipoprotein B38.9 Mutation, 476
Shear Stress Activation of SREBP1 in Endothelial Cells Is Mediated by Integrins, 76

Sterol transport
Mechanism of Accumulation of Cholesterol and Cholestanol in Tendons and the Role of Sterol 27-hydroxylase (CYP27A1), 1129

Stroke
Female Hormones and Thrombosis, 201

Strong Heart Family Study
Heritability of Carotid Artery Structure and Function: The Strong Heart Family Study, 1698

SU5416
Analysis of Coagulation Cascade and Endothelial Cell Activation During Inhibition of Vascular Endothelial Growth Factor/Vascular Endothelial Growth Factor Receptor Pathway in Cancer Patients, 1500

Subclinical cardiovascular disease
Relationship Between Coronary Artery Calcification and Other Measures of Subclinical Cardiovascular Disease in Older Adults, 1674

Subclinical disease
Age and Sex Distribution of Subclinical Aortic Atherosclerosis: A Magnetic Resonance Imaging Examination of the Framingham Heart Study, 849
Nuclear Magnetic Resonance Spectroscopy of Lipoproteins and Risk of Coronary Heart Disease in the Cardiovascular Health Study, 1175

Sudden death
Increased Serum Homocysteine and Sudden Death Resulting from Coronary Atherosclerosis With Fibrous Plaques, 1936

Superoxide
Depolarization of Endothelial Cells Enhances Platelet Aggregation Through Oxidative Inactivation of Endothelial NTPDase, 2003
Detection of Superoxide in Vascular Tissue, 1761
Gene Transfer of Endothelial NO Synthase and Manganese Superoxide Dismutase on Arterial Vascular Cell Adhesion Molecule-1

Expression and Superoxide Production in Deoxycorticosterone Acetate-Salt Hypertension, 249
Upregulation of Nox-Based NAD(P)H Oxidases in Restenosis After Carotid Injury, 21
Superoxide dismutase
Peroxidase Properties of Extracellular Superoxide Dismutase: Role of Uric Acid in Modulating In Vivo Activity, 1402
Survival
Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways, 1990
Syndecan
Mechanical Stress Regulates Syndecan-4 Expression and Redistribution in Vascular Smooth Muscle Cells, 61
Synthetic progestin
Effects of Continuous Combined Hormone Replacement Therapy on Inflammation in Hypertensive and/or Overweight Postmenopausal Women, 1459

T

T lymphocytes
Interleukin-4 Deficiency Decreases Atherosclerotic Lesion Formation in a Site-Specific Manner in Female LDL Receptor−/− Mice, 456
***Taq*1B variant**
Contribution of Hepatic Lipase, Lipoprotein Lipase, and Cholesteryl Ester Transfer Protein to LDL and HDL Heterogeneity in Healthy Women, 667
Tendon xanthomas
Mechanism of Accumulation of Cholesterol and Cholestanol in Tendons and the Role of Sterol 27-hydroxylase (CYP27A1), 1129
Testosterone
Prospective Study of Effect of Androgens on Serum Inflammatory Markers in Men, 1136
Tetrahydrobiopterin
Altered Tetrahydrobiopterin Metabolism in Atherosclerosis: Implications for Use of Oxidized Tetrahydrobiopterin Analogues and Thiol Antioxidants, 1655
Thoracic aorta
Connexin37 Is the Major Connexin Expressed in the Media of Caudal Artery, 1427
Thox1
Cytochrome b_{558}-Dependent NAD(P)H Oxidase-Phox Units in Smooth Muscle and Macrophages of Atherosclerotic Lesions, 2037
Thrombin
In Vivo Imaging of Thrombin Activity in Experimental Thrombi With Thrombin-Sensitive Near-Infrared Molecular Probe, 1929
PAR-4 Agonist AYPGKF Stimulates Thromboxane Production by Human Platelets, 861
Plasminogen Activator Inhibitor 1 and Vitronectin Protect Against Stenosis in a Murine Carotid Artery Ligation Model, 1978
Platelets and Thrombin Generation, 1381
Reversal of Thrombin-Induced Deactivation of CD39/ATPDase in Endothelial Cells by HMG-CoA Reductase Inhibition: Effects on Rho-GTPase and Adenosine Nucleotide Metabolism, 894
Thrombin-activatable fibrinolysis inhibitors
Plasma Thrombin-Activatable Fibrinolysis Inhibitor Antigen Concentration and Genotype in Relation to Myocardial Infarction in the North and South of Europe, 867
Thrombosis
Aortic Constriction Exacerbates Atherosclerosis and Induces Cardiac Dysfunction in Mice Lacking Apolipoprotein E, 469
Experimental Rupture of Atherosclerotic Lesions Increases Distal Vascular Resistance: A Limiting Factor to the Success of Infarct Angioplasty, 153
Factor V and Thrombotic Disease: Description of a Janus-Faced Protein, 530
Factors Contributing to Individual Propensity for Arterial Thrombosis, 1495
Fluvastatin Reduces Tissue Factor Expression and Macrophage Accumulation in Carotid Lesions of Cholesterol-Fed Rabbits in the Absence of Lipid Lowering, 692
Homocysteine Binds to Human Plasma Fibronectin and Inhibits Its Interaction With Fibrin, 1354
A Human Antibody That Inhibits Factor IX/IXa Function Potently Inhibits Arterial Thrombosis Without Increasing Bleeding, 517
In Vivo Imaging of Thrombin Activity in Experimental Thrombi With Thrombin-Sensitive Near-Infrared Molecular Probe, 1929
Increased Serum Homocysteine and Sudden Death Resulting from Coronary Atherosclerosis With Fibrous Plaques, 1936
Influence of Anatomical Location on Arterial Thrombosis, 342
The Influence of Platelet Collagen Receptor Polymorphisms in Hemostasis and Thrombotic Disease, 14
Regulation of Functions of Vascular Wall Cells by Tissue Factor Pathway Inhibitor: Basic and Clinical Aspects, 539
Thrombosis risk factors
Factor V Leiden, Hormone Replacement Therapy, and Risk of Venous Thromboembolic Events in Women With Coronary Disease, 1012
Thrombospondin
Thrombospondin-2 Polymorphism Is Associated With a Reduced Risk of Premature Myocardial Infarction, 2092
Thromboxane
PAR-4 Agonist AYPGKF Stimulates Thromboxane Production by Human Platelets, 861
Thromboxane A_2
Xanthine Oxidase-Derived Reactive Oxygen Species Convert Flow-Induced Arteriolar Dilation to Constriction in Hyperhomocysteinemia: Possible Role of Peroxynitrite, 28
Thrombus formation
Antithrombotic Effect of Tissue Factor Inhibition by Inactivated Factor VIIa: An Ex Vivo Human Study, 1036
Thrombus formation under flow
Role of ADP Receptor $P2Y_{12}$ in Platelet Adhesion and Thrombus Formation in Flowing Blood, 686
Tissue factor
Antithrombotic Effect of Tissue Factor Inhibition by Inactivated Factor VIIa: An Ex Vivo Human Study, 1036
Expression and Localization of Tissue Factor Pathway Inhibitor-2 in Normal and Atherosclerotic Human Vessels, 218
Fluvastatin Reduces Tissue Factor Expression and Macrophage Accumulation in Carotid Lesions of Cholesterol-Fed Rabbits in the Absence of Lipid Lowering, 692
Long Pentraxin PTX3 Upregulates Tissue Factor Expression in Human Endothelial Cells: A Novel Link Between Vascular Inflammation and Clotting Activation, 782
Tissue factor pathway inhibitor
Characterization of the Association of Tissue Factor Pathway Inhibitor With Human Placenta, 2099
Expression and Localization of Tissue Factor Pathway Inhibitor-2 in Normal and Atherosclerotic Human Vessels, 218
Regulation of Functions of Vascular Wall Cells by Tissue Factor Pathway Inhibitor: Basic and Clinical Aspects, 539
Total mortality
Hemostatic Factors as Predictors of Coronary Events and Total Mortality: The FINRISK '92 Hemostasis Study, 353
Tracking
Impact of Dietary Intervention, Sex, and Apolipoprotein E Phenotype on Tracking of Serum Lipids and Apolipoproteins in 1- to 5-Year-Old Children: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 492
Tranilast
Tranilast Prevents Activation of Transforming Growth Factor-β System, Leukocyte Accumulation, and Neointimal Growth in Porcine Coronary Arteries After Stenting, 940
Transcription
Nonnuclear Actions of Estrogen, 1952
Opposing Functions of the Ets Factors NERF and ELF-1 During Chicken Blood Vessel Development, 1106
Transcription factor
Aspirin Inhibits *Chlamydia pneumoniae*-Induced Nuclear Factor-κB Activation, Cytokine Expression, and Bacterial Development in Human Endothelial Cells, 1075
Shear Stress Induces Expression of Vascular Endothelial Growth Factor Receptor Flk-1/KDR Through the CT-Rich Sp1 Binding Site, 907

Transforming growth factor-β
Tranilast Prevents Activation of Transforming Growth Factor-β System, Leukocyte Accumulation, and Neointimal Growth in Porcine Coronary Arteries After Stenting, 940
Transforming Growth Factor-β Mediates Balance Between Inflammation and Fibrosis During Plaque Progression, 975
Transforming growth factor-β1
Lack of Plasminogen Activator Inhibitor-1 Promotes Growth and Abnormal Matrix Remodeling of Advanced Atherosclerotic Plaques in Apolipoprotein E-Deficient Mice, 499
Proteoglycans Synthesized by Arterial Smooth Muscle Cells in the Presence of Transforming Growth Factor-β1 Exhibit Increased Binding to LDLs, 55
Transgenic mice
Inhibition of Accelerated Atherosclerosis in Vein Grafts by Placement of External Stent in ApoE*3-Leiden Transgenic Mice, 1433
Resistance to Neointimal Hyperplasia and Fatty Streak Formation in Mice With Adrenomedullin Overexpression, 1310
Transplantation
Circulating Autoantibodies to Oxidized LDL Correlate With Impaired Coronary Endothelial Function After Cardiac Transplantation, 2044
Transvascular transport
Transvascular Low-Density Lipoprotein Transport in Patients With Diabetes Mellitus (Type 2): A Noninvasive In Vivo Isotope Technique, 1168
Treatment efficacy
Total Homocysteine Lowering Treatment Among Coronary Artery Disease Patients in the Era of Folic Acid-Fortified Cereal Grain Flour, 488
Triglyceride-rich lipoprotein
Association Between the PPARA L162V Polymorphism and Plasma Lipid Levels: The Framingham Offspring Study, 805
Triglycerides
Contribution of Hepatic Lipase, Lipoprotein Lipase, and Cholesteryl Ester Transfer Protein to LDL and HDL Heterogeneity in Healthy Women, 667
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852
Nonfasting Apolipoprotein B and Triglyceride Levels as a Useful Predictor of Coronary Heart Disease Risk in Middle-Aged UK Men, 1918
Normal Production Rate of Apolipoprotein B in LDL Receptor-Deficient Mice, 989
Physical Activity May Modulate Effects of *ApoE* Genotype on Lipid Profile, 133
Triton WR1339
Normal Production Rate of Apolipoprotein B in LDL Receptor-Deficient Mice, 989
Tryptase
Mast Cell Tryptase Degrades HDL and Blocks Its Function as an Acceptor of Cellular Cholesterol, 2086
Tumor necrosis factor-α
Tumor Necrosis Factor-α Inhibits Growth Factor-Mediated Cell Proliferation Through SHP-1 Activation in Endothelial Cells, 238
Twin study
Genetic and Environmental Influences on Lipids, Lipoproteins, and Apolipoproteins: Effects of Menopause, 1142
Type 2 diabetes
Intensive Lipid Lowering by Statin Therapy Does Not Improve Vasoreactivity in Patients With Type 2 Diabetes, 799
Monocyte and Neutrophil Adhesion Molecule Expression During Acute Hyperglycemia and After Antioxidant Treatment in Type 2 Diabetes and Control Patients, 1187
NO Attenuates Insulin Signaling and Motility in Aortic Smooth Muscle Cells via Protein Tyrosine Phosphatase 1B-Mediated Mechanism, 1086
Respiratory Uncoupling Lowers Blood Pressure Through a Leptin-Dependent Mechanism in Genetically Obese Mice, 961
Type III hyperlipoproteinemia
Expression of Type III Hyperlipoproteinemia in Apolipoprotein E2 (Arg158→Cys) Homozygotes Is Associated With Hyperinsulinemia, 294
Tyrosine kinase
Lysophosphatidylcholine Stimulates Monocyte Chemoattractant Protein-1 Gene Expression in Rat Aortic Smooth Muscle Cells, 1617

U

Ultrafast CT scan
Relationship Between Coronary Artery Calcification and Other Measures of Subclinical Cardiovascular Disease in Older Adults, 1674
Ultrasound
Elevated Serum C-Reactive Protein Levels and Early Arterial Changes in Healthy Children, 1323
Uncoupling proteins
Respiratory Uncoupling Lowers Blood Pressure Through a Leptin-Dependent Mechanism in Genetically Obese Mice, 961
Uric acid
Peroxidase Properties of Extracellular Superoxide Dismutase: Role of Uric Acid in Modulating In Vivo Activity, 1402
Urokinase
Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts, 400

V

Vascular biology
Endogenous Vitronectin and Plasminogen Activator Inhibitor-1 Promote Neointima Formation in Murine Carotid Arteries, 934
Opposing Functions of the Ets Factors NERF and ELF-1 During Chicken Blood Vessel Development, 1106
Reversal of Thrombin-Induced Deactivation of CD39/ATPDase in Endothelial Cells by HMG-CoA Reductase Inhibition: Effects on Rho-GTPase and Adenosine Nucleotide Metabolism, 894
Rho-GTPase-Dependent Platelet-Neutrophil Interaction Affected by HMG-CoA Reductase Inhibition With Altered Adenosine Nucleotide Release and Function, 1029
Vascular blood flow
Excessive Microvascular Adaptation to Changes in Blood Flow in Mice Lacking Gene Encoding for Desmin, 1579
Vascular cell adhesion molecule-1
Elevated Soluble Cellular Adhesion Molecules in Subjects With Low HDL-Cholesterol, 656
Gene Transfer of Endothelial NO Synthase and Manganese Superoxide Dismutase on Arterial Vascular Cell Adhesion Molecule-1 Expression and Superoxide Production in Deoxycorticosterone Acetate-Salt Hypertension, 249
Homocysteine Upregulates Vascular Cell Adhesion Molecule-1 Expression in Cultured Human Aortic Endothelial Cells and Enhances Monocyte Adhesion, 587
Vascular development
Central Roles of $\alpha_v\beta_1$ Integrin and Fibronectin in Vascular Development in Mouse Embryos and Embryoid Bodies, 927
Vascular endothelial cadherin
Vascular Endothelial Growth Factor Induces Shc Association With Vascular Endothelial Cadherin: A Potential Feedback Mechanism to Control Vascular Endothelial Growth Factor Receptor-2 Signaling, 617
Vascular endothelial cells
Transcriptional and Posttranscriptional Regulation of Cyclooxygenase-2 Expression by Fluid Shear Stress in Vascular Endothelial Cells, 1415
Vascular endothelial growth factor
Analysis of Coagulation Cascade and Endothelial Cell Activation During Inhibition of Vascular Endothelial Growth Factor/Vascular Endothelial Growth Factor Receptor Pathway in Cancer Patients, 1500
Divergence of Angiogenic and Vascular Permeability Signaling by VEGF: Inhibition of Protein Kinase C Suppresses VEGF-Induced Angiogenesis, but Promotes VEGF-Induced, NO-Dependent Vascular Permeability, 901
In Vivo Estrogen Manipulations on Coronary Capillary Network and Angiogenic Molecule Expression in Middle-Aged Female Rats, 1591
Regulation of Endothelial Cell Survival and Apoptosis During Angiogenesis, 887

Tumor Necrosis Factor-α Inhibits Growth Factor-Mediated Cell Proliferation Through SHP-1 Activation in Endothelial Cells, 238
Vascular Endothelial Growth Factor-Induced Genes in Human Umbilical Vein Endothelial Cells: Relative Roles of KDR and Flt-1 Receptors, 1797

Vascular endothelium
Effect of Dexrazoxane on Homocysteine-Induced Endothelial Dysfunction in Normal Subjects, 1128

Vascular injury
Bone Marrow-Derived Progenitor Cells Modulate Vascular Reendothelialization and Neointimal Formation: Effect of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibition, 1567
Thrombospondin-1 Mediates Smooth Muscle Cell Proliferation Induced by Interaction With Human Platelets, 1286

Vascular permeability
Divergence of Angiogenic and Vascular Permeability Signaling by VEGF: Inhibition of Protein Kinase C Suppresses VEGF-Induced Angiogenesis, but Promotes VEGF-Induced, NO-Dependent Vascular Permeability, 901
Low Density Lipoproteins Downregulate Lysyl Oxidase in Vascular Endothelial Cells and the Arterial Wall, 1409

Vascular reactivity
Hyperhomocysteinemia Evoked by Folate Depletion: Effects on Coronary and Carotid Arterial Function, 772

Vascular remodeling
Fibrillar Collagen Regulation of Plasminogen Activator Inhibitor-1 Is Involved in Altered Smooth Muscle Cell Migration, 1573

Vascular renin-angiotensin system
Angiotensin II Type 1 and 2 Receptors in Conduit Arteries of Normal Developing Microswine, 1113

Vascular risk
Cerivastatin, an Inhibitor of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase, Inhibits Endothelial Cell Proliferation Induced by Angiogenic Factors In Vitro and Angiogenesis in In Vivo Models, 623

Vascular smooth muscle
Involvement of Rho-Kinase in Agonists-Induced Contractions of Arteriosclerotic Human Arteries, 243
N-Cadherin Upregulation and Function in Response of Smooth Muscle Cells to Arterial Injury, 1972
The Reactive Adventitia: Fibroblast Oxidase in Vascular Function, 1962

Vascular smooth muscle cell proliferation
Contribution of Double-Stranded RNA-Activated Protein Kinase Toward Antiproliferative Actions of Heparin on Vascular Smooth Muscle Cells, 1439
Low Molecular Weight Fucoidan Prevents Neointimal Hyperplasia in Rabbit Iliac Artery In-Stent Restenosis Model, 1604

Vascular smooth muscle cells
Cellular Antioxidant Effects of Atorvastatin In Vitro and In Vivo, 300
Endogenous Vitronectin and Plasminogen Activator Inhibitor-1 Promote Neointima Formation in Murine Carotid Arteries, 934
Inhibition of Vascular Smooth Muscle Cell Proliferation, Migration, and Survival by the Tumor Suppressor Protein PTEN, 745
Growth Factors Enhance Interleukin-1β-Induced Persistent Activation of Nuclear Factor-κB in Rat Vascular Smooth Muscle Cells, 1811
Human Coronary Smooth Muscle Cells Internalize Versican-Modified LDL Through LDL Receptor-Related Protein and LDL Receptors, 387
Human Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis Requires NO Enhancement of Fas/Fas-L Interactions, 1624
Lysophosphatidylcholine Activates Extracellular Signal-Regulated Kinases 1/2 Through Reactive Oxygen Species in Rat Vascular Smooth Muscle Cells, 752
Vitamin C Protects Against Hypochlorous Acid-Induced Glutathione Depletion and DNA Base and Protein Damage in Human Vascular Smooth Muscle Cells, 574

Vascular stenosis
Both Apolipoprotein E and Immune Deficiency Exacerbate Neointimal Hyperplasia After Vascular Injury in Mice, 450

Vascular wall cells
Regulation of Functions of Vascular Wall Cells by Tissue Factor Pathway Inhibitor: Basic and Clinical Aspects, 539

Vasculature
Nonnuclear Actions of Estrogen, 1952

Vasculogenesis
Opposing Functions of the Ets Factors NERF and ELF-1 During Chicken Blood Vessel Development, 1106

Vasodilatation
Impaired Responsiveness to NO in Newly Diagnosed Patients With Rheumatoid Arthritis, 1637

Vasodilators
Chronic Exercise Improves Endothelial Calcium Signaling and Vasodilatation in Hypercholesterolemic Rabbit Femoral Artery, 1219
Ethnicity Affects Vasodilation, but Not Endothelial Tissue Plasminogen Activator Release, in Response to Bradykinin, 1023
Experimental Rupture of Atherosclerotic Lesions Increases Distal Vascular Resistance: A Limiting Factor to the Success of Infarct Angioplasty, 153

Vasorelaxation
C-Reactive Protein Relaxes Human Vessels In Vitro, 1865

Vegetable protein
Lipoprotein Response to Diets High in Soy or Animal Protein With and Without Isoflavones in Moderately Hypercholesterolemic Subjects, 1852

Vein grafting
Inhibition of Accelerated Atherosclerosis in Vein Grafts by Placement of External Stent in ApoE*3-Leiden Transgenic Mice, 1433

Venous thrombosis
Female Hormones and Thrombosis, 201
Protein C, Antithrombin, and Venous Thromboembolism Incidence: A Prospective Population-Based Study, 1018

Versican
Human Coronary Smooth Muscle Cells Internalize Versican-Modified LDL Through LDL Receptor-Related Protein and LDL Receptors, 387

Very low density lipoproteins
Normal Production Rate of Apolipoprotein B in LDL Receptor-Deficient Mice, 989

Vesicular transport
Retarded Intracellular Lipid Transport Associated With Reduced Expression of Cdc42, a Member of Rho-GTPases, in Human Aged Skin Fibroblasts: A Possible Function of Cdc42 in Mediating Intracellular Lipid Transport, 1899

Vessel wall injury
Hypercholesterolemia Enhances Thromboembolism in Arterioles but Not Venules: Complete Reversal by L-Arginine, 680

Veterans Affairs HDL-C Intervention Trial
Cholesteryl Ester Transfer Protein *Taq*I B2B2 Genotype Is Associated With Higher HDL Cholesterol Levels and Lower Risk of Coronary Heart Disease End Points in Men With HDL Deficiency: Veterans Affairs HDL Cholesterol Intervention Trial, 1148

Visceral fat
Stromal Cells Are the Main Plasminogen Activator Inhibitor-1-Producing Cells in Human Fat: Evidence of Differences Between Visceral and Subcutaneous Deposits, 173

Vitamin C
Vitamin C Protects Against Hypochlorous Acid-Induced Glutathione Depletion and DNA Base and Protein Damage in Human Vascular Smooth Muscle Cells, 574

Vitamins
Vitamin C and E Intake Is Associated With Increased Paraoxonase Activity, 1329

Vitronectin
Endogenous Vitronectin and Plasminogen Activator Inhibitor-1 Promote Neointima Formation in Murine Carotid Arteries, 934
Plasminogen Activator Inhibitor 1 and Vitronectin Protect Against Stenosis in a Murine Carotid Artery Ligation Model, 1978

Von Willebrand factor
Amount of *H* Antigen Expressed on Circulating von Willebrand Factor Is Modified by ABO Blood Group Genotype and Is a Major Determinant of Plasma von Willebrand Factor Antigen Levels, 335
Application of Ex Vivo Flow Chamber System for Assessment of Stent Thrombosis, 1360
C-Reactive Protein and Soluble Vascular Cell Adhesion Molecule-1 Are Associated With Elevated Urinary Albumin Excretion but Do Not Explain Its Link With Cardiovascular Risk, 593
Pharmacokinetics and Pharmacodynamics of AJW200, a Humanized Monoclonal Antibody to von Willebrand Factor, in Monkeys, 187

Platelet Shape Changes and Adhesion Under High Shear Flow, 329
The Von Willebrand Factor Propeptide (VWFpp) Traffics an Unrelated Protein to Storage, 921
Von Willebrand factor propeptide
The Von Willebrand Factor Propeptide (VWFpp) Traffics an Unrelated Protein to Storage, 921

W

Weibel-Palade bodies
The Von Willebrand Factor Propeptide (VWFpp) Traffics an Unrelated Protein to Storage, 921
Women
Effect of Estrogen Plus Progestin on Progression of Carotid Atherosclerosis in Postmenopausal Women With Heart Disease: HERS B-Mode Substudy, 1692
Nuclear Magnetic Resonance Spectroscopy of Lipoproteins and Risk of Coronary Heart Disease in the Cardiovascular Health Study, 1175

X

Xanthine oxidase
Xanthine Oxidase-Derived Reactive Oxygen Species Convert Flow-Induced Arteriolar Dilation to Constriction in Hyperhomocysteinemia: Possible Role of Peroxynitrite, 28
Xanthomatosis
Increased Atherosclerosis in Hyperlipidemic Mice With Inactivation of ABCA1 in Macrophages, 630

Z

Zfhep
Identification of a Zinc Finger Homoeodomain Enhancer Protein After AT_2 Receptor Stimulation by Differential mRNA Display, 231